CONSTRUCTION NEWS

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RAILWAYS.

(*Denotes that this work is advertised in Engineering News.)

New York.—Long Island R. R.—This company is planning to elevate its tracks on the Far Rockaway division, between Hammel Station and Carleton Ave., Far Rockaway. J. R. Savage, Jamaica, is Ch. Engr.

New York.—Delaware, Lackawanna & Western R. R.—This company is considering plans for the improvement of its terminal at the foot of Main St. in Buffalo. The work as contemplated provides for a new station on the east side of Main St., and also the closing of several streets. The estimated cost is $97,000. G. J. Ray, Hoboken, N. J., is Ch. Engr.

New Jersey.—Pennsylvania R. R. — A contract has been signed by this company with the City Council of Rahway, whereby the railroad is to spend $1,500,000 in elevating its tracks through the city, and to pay for all new streets cut through. Work must be started within three months after the contracts are filed, and must be completed within two and one-half years. Noted Oct. 26.

Pennsylvania.—Pennsylvania R. R.—It is reported that this company contemplates spending $500,000 for improvements at Mifflintown, including a revision of the line.

Pennsylvania.—Lehigh & New England R. R.—It is stated that this company's line which is now being built from Slatington to Tamaqua is to be extended to Pottsville, a distance of 20 miles. F. W. Gilcreast, Mauch Chunk, is Ch. Engr.

Maryland.—Pittsburgh & Lake Erie R. R.—This company is contemplating the expenditure of $250,000 for the improvements of the yards at Hagerstown, Md.

South Carolina.—Abbeville, Anderson & Easley R. R.—This company proposes to construct a line 60 miles in length. M. N. Paterson, Abbeville, is interested.

Georgia.—Union Point & White Plains R. R.—This company intends constructing an extension of the road, now running from Union Point to White Plains, to Sparta.

Mississippi.—Natchez, Columbia & Mobile R. R.—This company intends building an extension southeast from Long Switch towards Morgantown. R. B. Butterfield is Gen. Mgr., Norfield, Miss.

Ohio.—Columbus & Southern R. R.—Surveys have been made for the extension of this company's line, which now runs from Wyandotte to South Bloomfield, to Allensville, Vinton County. I. F. Anderson, Laurelville, is Gen. Supt.

Ohio.—Erie R. R.—This company is contemplating the elimination of grade crossings through Youngstown. The estimated cost of the undertaking will be about $1,200,000. C. W. Buchholtz, New York, is Ch. Engr.

South Dakota.—Minneapolis & St. Louis R. R.—It is reported that this company contemplates the extension of its line from Watertown to the Canadian border. R. G. Kinley, Minneapolis, is Ch. Engr.

Missouri.—Springfield & Western R. R.—This company has secured a franchise from the City Council of Springfield to construct a line entering the city on Division St. M. M. Hollinback, Springfield, is Ch. Engr.

+Missouri.—Kansas City Terminal Ry.—The contract for the $35,000,000 terminal project, involving an expenditure of $350,000, for grading the Burlington division was awarded by this company on Oct. 25, to BERNARD CORRIGAN. The track for which the grading is to be done will furnish the right of way by which the Wabash, Burlington and Rock Island trains and those of other roads crossing the Hannibal bridge can enter the new station. The contract includes the building of an abutment for a viaduct over Allen Ave. and retaining walls for a subway at Twelfth St. J. V. Hama, Kansas City, is Ch. Engr.

Missouri.—Chicago & Alton R. R.—It is reported that this company is contemplating the double-tracking of its line from Bloomington to Kansas City. E. L. Crugar, Chicago, Ill., is Asst. Ch. Engr.

Montana.—Butte, Boise & San Francisco R. R.—This company has recently been organized for the purpose of constructing a line from Butte southwest through Montana and Idaho. Dr. W. H. Haviland, Butte, is interested.

Texas.—Atchison, Topeka & Santa Fe R. R. It is reported that this company is contemplating the construction of a 180-mile line from El Paso, east to Pecos, and may eventually extend it 160 miles further to Sterling City. C. A. Morse, Topeka, Kan., is Ch. Engr.

Texas.—Crystal City & Uvalde R. R.—This company contemplates the continuation of the line from Gardendale to Aransas Pass, a distance of 120 miles. E. Breaker, Crystal City, is Ch. Engr. See also June 27 and March 23.

Texas.—Houston & Texas Central R. R.—Bids will be received until Nov. 15, in the office of E. B. Cushing, Ch. Engr., Dallas, for the grading of thirteen miles of road bed on the branch line to be built between Stone City and a point near Giddings.

Texas.—St. Louis & San Francisco R. R.—Surveys are being made by this company for the construction of a line from Brady to San Antonio via Fredricksburg. F. G. Jonah, St. Louis, Mo., is Ch. Engr.

Oklahoma.—Altus, Lubbock & Roswell R. R.—This road is being constructed by a syndicate of Texas men, headed by W. W. West, of Houston. The line is to run between Altus, Okla., and Roswell, N. Mex., a distance of several hundred miles. The division between Memphis and Roswell, 300 miles, will be finished before work is started on the division that is to run from Memphis to Altus. At Memphis the line will connect with the Fort Worth & Denver City division of the Colorado Southern, and at Lubbock it will connect with the Atchison, Topeka & Santa Fe R. R.

Oklahoma.—Taloga, Putnam & Southern. This company will let contracts Dec. 1 for the construction of a line from Woodward to Chickasha, a distance of about 135 miles. C. W. Musgrove, Taloga, is Gen. Mgr.

+Idaho.—Chicago, Milwaukee & Puget Sound R. R.—A contract has been awarded to COCHRAN, BOYNTON & CO., at $100,000, for grading three miles from Atlas to Coeur d'Alene. This is the last contract for grading on the line from Spokane, Wash., to Coeur d'Alene, Idaho.

Idaho.—Marshfield-Albion R. R.—This company has been incorporated for the purpose of constructing a 9-mile line from Albion. T. E. Harper, Albion, is interested.

Idaho.—Boise Valley R. R.—It is reported that the Idaho-Oregon Light & Power Co., has purchased the Boise Valley R. R., and intends improving the line.

+Washington.—Great Northern Ry.—The contract for the construction of a line from Bluestem to the Columbia River, a distance of 39 miles, has been awarded to CAUGHREN & WOLDSON, Spokane. A. H. Hogeland, St. Paul, Minn., is Ch. Engr.

Washington.—North Yakima & Valley R. R.—Work will soon be started on a 12-mile extension into the Cowiche district. George Donald, Yakima, Wash., is Pres.

+Washington.—Northern Pacific Ry. Co.—The contract for the construction of a branch line of this company has been awarded to the WEYMOUTH CONS. CO., at $300,000. The line will run between Ross Station, on the south side of the Lake Washington Canal, to Boren Ave., at the south end of Lake Union. At Ross Station connection is to be made with the existing main line of the Northern Pacific, and at Terry Ave., an extension is to be constructed as far south as Denny Way, where freight sheds are to be constructed. The second section of the belt line will extend from Ross Station to Ballard, and the third section from Boren Ave., on the south end of Lake Union to Hamlin St., on the east side, almost opposite the present gas plant, where the line ends so far as the present franchise granted to the company is concerned.

Oregon.—Oregon Trunk Ry.—It is reported that this company has awarded a contract for the 30-mile extension from Bend to Klamath Falls. R. Bull, Portland, is Ch. Engr.

Oregon.—Oregon & Southern R. R.—This company has been organized for the purpose of constructing a line from Medford to the northern part of California. J. A. Voyle, Spokane, Wash., is interested.

California.—San Jose & Almaden R. R.—This company has recently been organized for the purpose of constructing a line from San Jose to Hacienda, a distance of 13 miles. The company has been capitalized at $120,000 and Charles A. Nones, San Jose, is the principal stockholder.

Ontario.—The Board of Railway Comrs. have approved the order for a new terminal for the three railways now entering Toronto. The plan providing for the construction of ten tracks for local trains and six tracks for through trains is under the charge of Geo. A. Mountain, Ch. Engr. of the Dominion Board at Ottawa.

+British Columbia.—Esquimalt & Nanaimo Ry.—The contract for the grading the section of this road between McBridge Junction and Union Bay, has been awarded to the WESTHOLME LUMBER CO. H. J. Cambie, Victoria, is Ch. Engr.

Manitoba.—Canadian Northern Ry.—This company has completed plans for its line from Winnipeg to Hudson Bay. T. Turnbull, Winnipeg, is Ch. Engr.

Canada.—Temiskaming & Northern Ontario Ry.—See item under Miscellaneous Contracts—Locomotives.

ELECTRIC RAILWAYS.

Manchester, N. H.—The Manchester Street Ry. proposes to double track its line on Bridge St., from Elm St., to Maple St.

Connellsville, Pa.—The West Penn Rys. Co., Pittsburgh, has received a franchise to extend its line on 7th St., and on Leisenring Ave., in Connellsville. J. Fritsch, Ch. Engr. Connellsville.

Scranton, Pa.—The Scranton & Ariel Ry., Scranton, has applied for a franchise to build a line which will connect Lake Ariel and Scranton, about 20 miles. J. J. Brown is Pres.

Jefferson, Md.—The Frederick R. R. will build an extension between Jefferson and Brunswick. O. B. Coblentz, Frederick, is Ch. Engr.

Ridgeley, W. Va.—A franchise has been asked by the Ridgeley & Miller Ave. Ry., Ridgeley, for a line which will extend from the Potomac River bridge opposite Cumberland about two miles through Ridgeley. John L. Miller, Ridgeley, is interested.

Danbury, N. C.—The North Carolina Traction Co. is considering an extension from Rock Hill to the Seaboard Air Line Ry. at Catawba Junction, about eight miles. W. L. Law Co., Rock Hill, S. C., is Ch. Engr.

Palm Beach, Fla.—The Palm Beach, Okeechobee & Western Ry., has been incorporated to build a line from West Palm Beach, across the peninsula with Fort Myers as its terminus. One power station will be erected in West Palm Beach, and another at the south end of Lake Okeechobee. The incorporators are R. J. Martin, J. D. Bordero, and W. W. Marquis, Kansas City.

Chattanooga, Tenn.—The Chattanooga Traction Co., has been incorporated to build a new street railway system in Chattanooga. The incorporators are C. E. James, D. F. Beckham, J. L. Davies and others.

Crooksville, Ohio.—The Southeastern Ohio Ry. Light & Power Co. will extend its line from Crooksville to New Lexington.

Vincennes, Ind.—The Vincennes & Southeastern Interurban Ry. will build a line through Newtonville. G. B. Hazelton, Vincennes, is Pres.

New Harmony, Ind.—C. J. Seibert, Chn. Bd. of Directors, Poseyville & Mt. Carmel Traction Co., announces that steps are being taken toward the construction of a line to connect New Harmony with Mt. Carmel by way of Poseyville and Swartsville.

Chrisney, Ind.—The officials of the Evansville, Chrisney & Eastern Traction Co. have decided on the early construction of two branch lines out of Booneville, a line from Booneville to Midway by way of Chrisney and a line directly north from Booneville. The latter line has been surveyed and ready for work. J. P. Chrisney is Pres.

Kankakee, Ill.—The Kankakee Electric Ry. has received a franchise to extend its East Court St. line in Kankakee to the Commercial subdivision.

Hibbing, Minn.—The Northern Traction Co., has applied for a franchise to build a line from Hibbing, extending across the Mesaba range.

Rosedale, Kan.—The Kansas City & Ft. Scott Electric Ry. Co., will build a line from the terminus of the Metropolitan Street Ry., in Rosedale by way of Stanley, Prescott, Fulton, Louisburg and Pleasanton to Ft. Scott. The incorporators are: W. S. Quarles and M. M. Sweetman, of Kansas City, Mo.

Whitefish, Mont.—A line is contemplated between Whitefish, Mont., and Kalispell. D. R. McGinnis, Flathead, is interested.

Springfield, Mo.—The Springfield & Western R. R. Co. has received a franchise to enter the city from the west on Division St. M. M. Hollenback, Springfield, Mo., is Ch. Engr.

Boulder, Colo.—A franchise has been granted to the Boulder Electric Light & Power Co., to extend its line about 2 miles.

Phoenix, Ariz.—The Arizona, Construction & Finance Co., has been incorporated to construct an electric railway system. The incorporators are: R. A. Lewis, W. B. Barr, and S. D. Dunlap.

+Eugene, Ore.—Contracts have been awarded to McDOUGALL & GUTHRIE, by the Oregon Electric Ry. Co., for grading the right-of-way between Albany and Salem and another between Eugene and Albany. L. B. Wickersham, Portland, is Ch. Engr.

Portland, Ore.—Surveys have been made by Pennsylvania capitalists for the construction of a line between Canby and Portland. M. J. Lee, Portland, is interested.

Portland, Ore.—A franchise has been granted to Hartmann & Thompson, Chamber of Commerce Bldg., to construct a line on Sandy Road, from the city limits to Parkrose.

Fresno, Cal.—Contracts will soon be let by the Fresno, Coalingo & Monterey Ry. Co., for the construction of a line connecting Fresno, Hollister, Salinas and Monterey: Two steel bridges, one 1,400 ft., and the other 800 ft., and also an 800 ft. tunnel will be constructed. J. S. Bates, Fresno, Cal., is Ch. Engr.

Fresno, Cal.—Plans are being prepared by the San Joaquin Valley Electric Ry. Co. to construct a line between Fresno and Modesto by way of Kennan and Madero.

San Francisco, Cal.—Bids will be received by the Board of Public Works up to 3 p. m., Nov. 15, for: (a) 43 double and pay-as-you-enter type, closed steel motor cars, complete; 4 extra trucks, complete with axles, wheels and motors; (b) 43 double and pay-as-you-enter type, closed semi-steel motor cars, complete; 4 extra trucks, complete with axles, wheels and motors, for use on the Geary St. municipal line.

Oakland, Cal.—The San Francisco, Oakland & San Jose Ry. contemplates extending its lines through Contra Costa County and east to Stockton; also through the Livermore Valley to Stockton.

+Sacramento, Cal.—A contract has been awarded to the CLARK & HENERY CONSTRUCTION CO., Sacramento, by the Sacramento Electric, Gas & Ry. Co. for building a line on Third St.

Suisun City, Cal.—The Cement Tolenas & Tidewater R. R. Co. has been incorporated. The incorporators are R. B. Henderson, A. D. Plaw, W. T. Barnett, Paul C. McCarthy and F. D. Madison, all of San Francisco. The purpose of the company is to build a line from the works of the Pacific Portland Cement Co. to the tidewater near this city, about six miles.

Lindsay, Ont.—Surveys are being made for a line between Port Hope through Peterboro, Omemes and Lindsay to Orillia. It is proposed to connect the line at Port Hope with an electric line from Montreal to Toronto.

North Toronto, Ont.—Plans have been prepared for a new line in North Toronto, on Melrose Ave., south on Mt. Pleasant Road to St. Clair Ave. E. A. James, Eglinton, Ont., is interested.

Calgary, Alta.—Bids will be received until Nov. 15, by the City Commissioners, for track and line material.

Monterey, Mex.—The Monterey Ry. Light & Power Co. will make important extensions to its line. One of the extensions will be to Gonzalitas, about three miles. Wm. MacKenzie, Toronto, Canada, is Pres.

LIGHT AND POWER PLANTS.

(*Denotes that this work is advertised in Engineering News.)

Manchester, Mass.—The Manchester Light & Power Co. and the South Manchester Light, Power & Tramway Co. have been merged in one company under the name of the latter. The new corporation will furnish electric light and power for Manchester and South Manchester and power for the trolley lines. The directors are: James W., Richard, Harry G. and Charles Cheney and Frank Cheney, Jr.

+Wallingford, Conn.—The contract for an addition to the 21 x 46 ft., 2-story brick, municipal electric lighting plant has been awarded to the C. F. WOODING CO. Estimates for electrical equipment amounting to $30,000 will be received soon by the Board of Electrical Commissioners. A. L. Pierce is Design Engr. Noted Oct. 5 and 26.

+Bridgeport, Conn.—A contract has been awarded to FRED T. ELY CO., INC., Springfield, Mass. and Waterbury, Conn., for an addition to the power house on Seaview Ave., owned by The Connecticut Co. The structure will be be 1-story, 130 x 150 ft., of brick.

Hannawa Falls, N. Y.—A transmission line is contemplated by the Northern Power Co. from its plant at Hannawa Falls to Edwards, Fullerville and Gouverneur. E. G. Flint, Potsdam, is Gen. Mgr.

Oswego, N. Y.—An ornamental street lighting system for the business section is under consideration.

Greenville, Pa.—The plant owned by the Greenville Electric Light, Heat & Power Co. has been purchased by H. L. Borland, Pittsburgh, representing eastern capitalists. The plant will be rebuilt.

Pine Grove, Pa.—A plan is under consideration to replace the old street lighting system with an electric service. The electricity will be obtained from the Tremont & Pine Grove Electric Light, Heat & Power Co., Tremont. F. H. Hachrath, Philadelphia, is interested.

Sharon, Pa.—The Sharon Council has taken the initial step toward building a municipal electric plant. A committee has been appointed. The cost is estimated at $50,000.

Philadelphia, Pa.—Bids for the electrical work to be done on the Vine St. pier have been opened. The Western Electrical Co. and Walker & Gordon were the only bidders.

Morganton, N. C.—A franchise has been granted to H. L. Milner for the installation of an electric light system.

✚Summerville, Ga.—The Village Council has awarded a contract to the AUGUSTA-AIKEN RY. & ELECTRIC CO., Augusta, Ga., to install a new street-lighting system.

Washington, Ga.—A site for a new electric light plant has been purchased. An all-day current will be furnished. The cost is estimated at $30,000.

✚Nashville, Tenn.—A contract has been let to the GENERAL ELECTRIC CO., Schenectady, N. Y., for the electrical equipment in connection with the Nashville-Gallatin Interurban line. H. H. Mayberry is Pres.

Lonsdale, Tenn.—A franchise has been granted to the Eastern Tennessee Power Co. to supply the city with electricity.

Cumberland Falls, Ky.—With a view to supplying the larger cities in several states with electric lighting and power, H. M. Byllesby & Co. of Chicago will erect a $5,000,000 electric power plant on the Cumberland River. It is planned to transmit power to such cities as Louisville, Cincinnati, Knoxville, Nashville and Lexington.

Bexley (Columbus post-office), **Ohio.**—Bids will be received by George E. Fry, Village Clk., until Nov. 14, for furnishing material and installing an electric lighting system.

✚Columbus, Ohio.—A contract for furnishing iron standards for the new cluster light system to be installed on the principal streets of Columbus has been awarded to O'BRIEN BROS. FOUNDRY CO., at $24,499. The contract for wiring was awarded to the ERIE CO., Erie, Pa., at $67,505.

Bids will be received by H. S. Holton, Dir. of Service, until Nov. 20 for an addition to the municipal light plant on West Spring St. Plans and specifications are on file at the office of the City Engineer.

Lewisburg, Ohio.—The Lewisburg Lighting Co. has been incorporated to furnish electricity for light, power and heat. The incorporators are: G. L. Gaskill, A. C. Robeson, J. M. Bickel, W. F. Fitzgerald and Z. T. Dorman.

Martins Ferry, Ohio.—The installation of new arc lamps for street lighting is being considered by the City Council.

Ft. Wayne, Ind.—The Kehoe Light & Power Co. has been incorporated to supply electric current for lighting and power to Ossian and other towns in the northern part of the state. Contracts have been made with the Ft. Wayne & Northern Indiana Traction Co., under which current will be supplied to the Kehoe Light & Power Co., at any point between Ft. Wayne and Lafayette, and also on the Bluffton division. The officers are: Thomas J. Kehoe, Toledo, Pres., and M. J. Kehoe, Ft. Wayne, Secy. and Treas.

Martinsville, Ind.—Bids were rejected by the Street Lighting Commission for the new plant, and is now investigating the cost of purchasing the material direct. An ornamental street-lighting system is also proposed.

Batavia, Ill.—Improvements at the municipal electric light plant are contemplated. The Light Commission has been authorized by the City Council to make an investigation.

Sullivan, Ill.—The Sullivan Electric Co. contemplates extending its transmission line to Arthur. Alva Jones, Sullivan, is Ch. Engr.

Milton, Wis.—The Milton Water, Light & Power Co. has filed articles of incorporation and has secured the necessary permits from state and village authorities to operate a plant.

Milwaukee, Wis.—It is proposed by the committee on street lighting that electrical apparatus be purchased at once for the proposed municipal lighting plant. As yet there are no buildings erected nor has any work been done toward erecting pole lines.

Manitowoc, Wis.—A bond issue for $40,000 has been voted for improvements to the light and water plant.

Charles City, Iowa.—A franchise has been granted to G. H. Walker to operate an electric light plant.

Farley, Iowa.—The installation of a lighting system has been noted. Preliminary steps will be started at once, it is reported.

✚Pocahontas, Iowa.—A contract for the installation of an electric light plant, for which bids were opened Oct. 27, has been awarded to DWYER-FIELD CO., 520 Endicott Bldg., St. Paul, Minn., at $11,700. O. Claussen Engineering Co., St. Paul, Minn., are Consult. Engrs.

Stony City, Iowa.—An ornamental street-lighting system is projected. The Commercial Club is interested.

New Market, Iowa.—The Lee Electric Light Co., Clarinda, is staking out a new transmission line from New Market to Bedford. Steel poles with cross arms will be erected.

New Sharon, Iowa.—A franchise has been granted to the Oskaloosa & Buxton Electric Ry. Co. to furnish electricity for lighting and power.

✚Glasco, Kan.—A contract has been awarded by the city to L. K. GREEN, Concordia, Kan., for transmission line between Glasco and Concordia.

Overton, Neb.—An electric light plant, it is reported, will be built by W. H. Hill of this city.

Flandreau, S. Dak.—An electric light plant is proposed. Foster Philips is interested.

Garretson, S. Dak.—An electric plant is proposed. J. A. Wiberg, Luverne, Minn., is interested.

✚Sharon, N. Dak.—The Sharon Electric Light & Power Co. has awarded a contract to the BATTERY & GLOBE ELECTRIC CO., Milwaukee, Wis., to install a lighting system.

✚Butte, Mont.—A contract has been awarded by the Board of County Commissioners for furnishing lighting fixtures for the new county court house, to the BUTTE ELECTRIC & SUPPLY CO., Butte, Link & Haire, 705 State Savings Bank Bldg., Butte, are the Archs.

✚Forsyth, Ark.—The Ozark Power & Water Co. has awarded the contract for a dam to the AMBURSEN HYDRAULIC CONSTRUCTION CO., 165 Broadway, New York, N. Y., and for three 1,500-KW. generators and waterwheels to the GENERAL ELECTRIC CO., Schenectady, N. Y.

Brownsville, Tex.—The city has sold $50,000 of bonds for enlarging the municipal electric light plant and extending the water-works system.

Cuero, Tex.—The electric light and power plant here is to be enlarged. The proposed improvement will cost about $25,000.

Harlingen, Tex.—Bids will be received until Nov. 10 by the city for the construction of an electric light system and water-works complete. Construction will require power plant, buildings, piping or mains, electric installation, water tower, etc. A. W. Cuningham is Mayor.

Cotulla, Tex.—The construction of a dam across the Nueces River to form a storage reservoir to supply water to irrigate 12,000 acres of land is proposed. A hydro-electric plant will be built and the electricity will be transmitted to nearby towns.

Galveston, Tex.—The Galveston-Houston Electric Co. contemplates making extensions and improvements. Bonds amounting to $300,000 are being offered for sale.

Tulsa, Okla.—All bids received until Oct. 3 for lighting fixtures to be installed in the new court house were rejected by the Board of County Commissioners on account of being in excess of the estimate made by the architect. New bids will be asked.

Butler, Okla.—Kise & Mason have purchased a site for an electric light plant. Noted Aug. 3.

Pauls Valley, Okla.—The installation by the Washita Electric Power Co. of an auxiliary plant, to be operated by steam, has been ordered by the Corporation Council.

✚Longmont, Colo.—The City Council has awarded a contract for an electric light plant and distributing system to HENDRIE & BOLTHOFF, Denver, Colo., at $18,654.

Phoenix, Ariz.—See item under Electric Railways.

Ellensburg, Wash.—The City Council contemplates installing on both sides of the streets a cluster lighting system. Portions of the following streets will be lighted: Main, Pearl, Pine, Third, Fourth and Fifth.

Othello, Wash.—Electric pumping machinery will be installed by the Washington Fruit Lands & Irrigation Co., on the Columbia River highlands, it is stated.

Spokane, Wash.—We are officially advised that the work in connection with the hydro-electric power development by the Washington Water Power Co. is under way and will be finished in about two years. Materials are all on the grounds and the work is being done by the company's own force. The cost of the entire development will be about $6,000,000. Noted June 8.

Sultan, Wash.—Press reports state that the City Clerk has been authorized to ask for bids for the installation of a lighting system.

Seattle, Wash.—A bond issue for $1,000,000 has been authorized by the City Council to be used for improvements.

Lents, Ore.—A plan to light the streets with electricity is being considered. The Commercial Club is interested.

Myrtle Creek, Ore.—The capacity of municipal lighting plant will be increased, it is stated. New machinery will be installed.

Waterville, Ore.—A transmission line and distributing system from the municipal power plant is projected. A bond issue of $25,000 has been authorized by the City Council.

Los Angeles, Cal.—Bids will be received by the Board of Supervisors until 2 p. m., Nov. 27, for a heating and ventilating plant, ice plant, vacuum cleaning plant, etc., to be installed in the County Hospital, Mission and Daly Sts. Specifications may be seen at the office of the Board of Supervisors. H. J. Lelande is County Clk.

Los Angeles, Cal.—The Pacific Light & Power Co. has been granted a franchise to erect and maintain an electric tower or pole and wire system on certain roads in Los Angeles County.

Santa Barbara, Cal.—The Santa Barbara Gas & Electric Co. has been granted a franchise to install and maintain a system of gas pipes in certain roads in Santa Barbara County.

Beaumont, Cal.—C. H. L. Ghrist, owner of the electric light and power plant at Newport Beach, contemplates erecting a plant here.

✚Marysville, Cal.—A contract has been awarded to the BUTTE CONSTRUCTION CO., 683 Howard St., San Francisco, at $6,100, for seven arches for lighting the business section.

Oakland, Cal.—The Sierra Electric Power Co. has been incorporated to construct an electric power plant. The incorporators are: Charles Gross, J. E. Bowes, E. A. Herman, H. L. Breed and M. S. Hamilton, all of Oakland.

San Francisco, Cal.—See item for street cars under Electric Railways.

✚The Board of Public Works has awarded a contract for lighting fixtures to be installed in the Hall of Justice to ADAMS & HOLLOPETER, at $14,395.

Sacramento, Cal.—A general engineering and construction company has been organized at Sacramento with W. P. Ireland of Gold Run, Placer County, as manager. The company has made preliminary contracts for surveying and other work preparatory to the development of a large water and electric power project on the Yuba and Bear Rivers with the purpose of competing with the Pacific Gas & Electric Co., San Francisco, and the Great Western Power Co., San Francisco, in supplying electricity to the cities of Central California. Water will also be supplied for domestic and irrigation purposes. The company will soon be incorporated and will spend approximately $5,000,000 on its projects.

Ontario, Cal.—Bids will be received until 9 a. m., Nov. 15, for a steam heating plant to be installed in the Central School Bldg. at San Antonio Ave. and G St. Plans are on file at the office of the architects and at 217 South Lemon Ave., Ontario. John C. Austin and W. C. Pennell, 1015 Wright & Callender Bldg., Los Angeles, are the Archs.

Ft. William, Ont.—A gas plant will be built by the Canada Iron Co., it is stated, in connection with its works. The cost is estimated at $50,000.

Calgary, Alta.—See item for track and line material under Electric Railways.

Necaxa, Mex.—Additional equipment will be installed by the Mexico Light & Power Co., which will increase the present capacity 30,000 HP. F. S. Pearson, 25 Broad St., New York, N. Y., is Pres. and Consult. Engr.

BRIDGES.

(✚Denotes a contract awarded.)

✚New York, N. Y.—We are officially advised that a contract for constructing the main arch of the Hell Gate Bridge, to be built jointly by the Pennsylvania R. R. and the New York, New Haven & Hartford R. R., has been awarded to the AMERICAN BRIDGE CO., 30 Church St., New York. The contract includes the main arch spanning the channel, and the approaches on Ward's Island and on the Long Island shore, comprising about 6,000 ft. The entire contract, which will call for 90,000 tons, includes a span over Little Hell Gate, and over Bronx Kills, and approaches on Randall's Island and the Bronx shore. The entire structure will be 3½ miles long. The design is by Gustav Lindenthal, 45 Cedar St., with Henry Hornbostel, of Palmer & Hornbostel, 63 William St., as Consult. Arch. Noted May 11. See page 538, Engineering News, May 30, 1907.

Jersey City, N. J.—We are officially advised that bids for constructing a highway bridge over the Passaic River on the line of Bridge St., between the City of Newark, Essex County, and the Town of Harrison, Hudson County, and the erection and maintenance of a temporary bridge pending the construction thereof, were received Nov. 2, by the Joint Committee of the Boards of Chosen Freeholders of the Counties of Hudson and Essex as follows: Snare & Triest, 143 Liberty St., New York, $378,000; J. Murphy & Son, 308 Charles St., West [illegible] $380,000. The Engineer's [illegible] $260,000. Noted Oct. 26.

Hackensack, N. J.—[illegible] Jr., County Engr., is [illegible] for a bridge over Hac[illegible] from Ridgefield Park to [illegible] sack. Estimated cost, [illegible],000.

✚Crag Dell, (Braeburn post-office), **Pa.**—Press reports state that the Pennsylvania R. R. Co., has awarded to T. H. SIMMS & CO., the contract for constructing a concrete arch bridge at Crag Dell.

Harrisburg, Pa.—Bids will be received by the Commissioners of Dauphin County, Harrisburg, until noon, Nov. 18, for building a [illegible] crete bridge over Swatara Creek between Middletown and Dauphin County. D. F. Lentz is Clk. of Comrs.

Indianhead, Md.—Bids will be received by The Bureau of Yards and Docks, Navy Dept., Washington, D. C., until 11 a. m., Dec. 2, for constructing a tide bridge and rebuilding a wharf at the U. S. Naval Proving Grounds, Indianhead. Specifications are on file at the office of Engineering News.

Richmond, Va.—Bids will be received by P. St. J. Wilson, State Highway Comr., until noon, Nov. [illegible], for constructing a 95-ft. concrete bridge with reinforced-concrete substructure over Chickahoming River between Hanover and Henrico Counties about one mile from Glen Allen.

***Castle Hayne, N. C.**—Bids will be received by the Joint Committee of the Boards of County Commissioners of New Hanover and Pender Counties, until noon, Dec. 6, for furnishing all material and labor for the construction of a highway bridge across the Northeast River, near Castle Hayne, in accordance with the general plans and specifications on file with the Committee. D. McEachern, Wilmington is Chn.

Jacksonville, Fla.—Bids will be received by Gail L. Barnard, County Engr., until Nov. 10, for furnishing material and constructing the Duval County half of a bridge contemplated over Nassau River on the Duval Road. F. J. Hyde, is Chn. County Comrs.

Cincinnati, Ohio.—Bids will be received by the Board of Commissioners of Hamilton County, until noon, Nov. 24, for constructing a concrete culvert in Sycamore Ave., at Rossmoyne, under specification No. 211. Fred Dreihs is Clk.

Cincinnati, Ohio.—Bids will be received by the Director of Public Service, John J. Wenner, Clk., until noon, Nov. 24, for constructing the substructure and the superstructure of the Ludlow Ave. viaduct. Plans, specifications and blank proposals may be obtained at the office of the Chief Engineer of the Department of Public Service.

Cincinnati, Ohio.—Bids will be received by the Director of Public Service until noon, Nov. 10, for the reconstruction of the Lincoln Ave. bridge, by replacing present wooden floor, with reinforced - concrete construction, strengthening floor beams, cleaning and painting steel work and miscellaneous work in connection therewith. John J. Wenner, is Clk.

Cleveland, Ohio.—Bids will be received by the Board of Commissioners of Cuyahoga County, until 11 a. m., Dec. 2, for the construction of bridge work per report No. 2896, grading and culverts, Falls Road, Chagrin Falls Township, in accordance with the form of contract and specifications to be furnished by Frank R. Lander, County Surv.

Cleveland, Ohio.—Bids will be received by the Board of Commissioners of Cuyahoga County, until 11 a. m., Nov. 29, for the construction of bridge work, per report No. 2895, concrete bridge, Clegue Road, Dover Township, in accordance with the form of contract and specifications to be furnished by Frank R. Lander, County Surveyor. John F. Goldenbogen is Clk. of Bd.

Goshen, Ind.—The County Commissioners have asked an appropriation of $45,000 to build a bridge over St. Joseph River. D. O. Bachelor is County Audr.

Rockville, Ind.—The Commisssioners of Park County have located a site for a bridge over the Wabash River. The main span of the bridge will be 166 ft. Bids will be asked as soon as plans and specifications have been completed by Thorp Ford, County Engr.

✚Franklin, Ind.—The contract for constructing a bridge in Johnson County has been awarded to ALBERT HARMON, Columbus, Ohio, at $7,175.

Saginaw, Mich.—The Central States Bridge Co., Chicago, Ill., has submitted a bid of $104,000 for constructing a 600-ft. bridge at Johnson St.

Sault Ste. Marie, Mich.—We are officially advised that the Canadian Pacific Ry., P. B. Motley, Engr. of Bridges, Montreal, Que., has adopted the design of the Strauss Bascule Bridge Co., Fort Dearborn Bldg., Chicago, for a 336-ft. double leaf, double track, bascule bridge, over the U. S. Ship canal at Sault Ste. Marie.

Woodland, Ill.—Bids will be received by Joseph Klein, Woodland, until 11 a. m., Nov. 15, for taking down in good condition a 130-ft. steel bridge and approaches and removing two piers to the ground line.

Belleville, Kan.—Bids will be received by Henry Douglas, Clk. of Republic County, until noon, Nov. 11, for the construction of a reinforced-concrete culvert between sections 16 and 17, in Courtland Township. Plans are on file with the County Clerk.

†Kansas City, Mo.—We are officially advised that the contract for constructing an ornamental reinforced-concrete arch bridge over Brush Creek at Wornall Road was awarded Oct. 27, to J. H. STONE, Reliance Bldg., Kansas City at $19,600. Waddell & Harrington, Kansas City, are Consult. Engrs. Noted Oct. 19.

Kansas City, Mo.—Plans are being prepared by L. R. Ash, City Engr., for a steel viaduct to be erected at 23d St. Estimated cost, $300,000.

Mountain Home, Idaho.—Bids will be received by the Mountain Home Bridge Commission, First National Bank, Mountain Home, until 10 a. m., Nov. 15, for constructing a steel highway bridge across Snake River, at Loveridge Ferry, Idaho.

Fresno, Cal.—See item under Electric Railway.

†Red Bluff, Cal.—The Supervisors of Tehama County, have awarded a contract to the PACIFIC BRIDGE CO., San Francisco, for constructing a steel bridge over Coyote Creek, at $6,223.

Los Angeles, Cal.—The Board of Public Works will advertise for new bids for the construction of the reinforced-concrete arch bridge to be built across the Arroyo Seco at Ave. 20. The bids received by the Board Oct. 16 have been rejected. The bridge will cost about $33,000.

Los Angeles, Cal.—The Board of County Supervisors received bids for bridge construction from the Mercerean Bridge & Construction Co., Pacific Electric Bldg., Oct. 30, as follows: a timber and steel bridge over the Rio Hondo on the Whittier Road, $5,690. A Similar bridge over the San Gabriel River at Washington St., $4,810.

Los Angeles, Cal.—Bids will be received by the Board of Public Works, until 2 p. m., Nov. 17, for constructing a trestle bridge in East Seventh St., between End and Scheley Sts., Wilmington District. H. B. Ferris is Secy. of Bd.

Oakland, Cal.—Plans have been prepared and accepted by the Southern Pacific Co., for a 200-ft. steel bridge to be erected over Alameda Creek, east of the town of Niles. W. Hood, San Francisco, is Ch. Engr. of Bridges.

Wilmington, Cal.—The Board of Public Works of Los Angeles, have been authorized to advertise for bids for the construction of a concrete bridge to be erected at Wilmington. Estimated cost, $12,000.

BUILDINGS.

*(*Denotes that this work is advertised in Engineering News.)*

Hanover, N. H.—The Trustees of Dartmouth College have voted an appropriation of $120,000 for the construction of a new dormitory.

Heartwellville, Vt.—W. B. Plunkett, Adams, Pres. of the Berkshire Mills, has purchased a site of 300 acres in Heartwellville and will erect a residence to cost about $40,000.

†Brockton, Mass.—The contract for the construction of a building for the Lutheranian National Association, to be erected at Main and Vine Sts., has been awarded to FRANK BUDRESKI, 25 Ames St. Charles T. Olson, 116 Arcade St., is Arch.

†Boston, Mass.—The contract for the elementary school building on Magnolia St., Dorchester, has been awarded to the A. VARNERIN CO. at $63,947. Other bids were: McGahey & O'Connor, $65,497; John F. Griffin Co., $66,967; J. E. Locatelli Co., $67,312; C. S. Cunningham & Sons, $81,866. Chas. Logue is Chn.

†Great Barrington, Mass.—The contract for constructing the Mason Memorial Library has been awarded to JAMES CLIFFORD & SONS, Lenox.

Haverhill, Mass.—Bids will be received soon for the construction of the City Hospital. The structure will be of brick and terra cotta construction and will cost $65,000. James H. Ritchie, 8 Beacon St., Boston, is Arch.

†Holyoke, Mass.—The contract for the construction of a building block to be erected at Elm and Sargent Sts. for Mrs. Louisa Tracey, has been awarded to LOUIS LA FRANCE. The structure will be five stories high, 122 x 75 ft. George P. B. Alderman & Bro. are Archs.

Springfield, Mass.—An apartment block will be erected for E. J. Pinney on North Main St. The structure will be 90 x 50 ft., of brick construction.

New Bedford, Mass.—A society building for the Order of Elks is projected on Union and Sixth Sts. Louis E. Destremps, Theatre Bldg., is the Arch.

†Worcester, Mass.—The contract has been awarded to WILLIAM D. THOMPSON, 340 Main St., for the construction of a 5-story brick and limestone apartment house. The cost will be about $60,000.

†Worcester, Mass.—The contract for the mercantile building to be erected for the Day Estate on Eden St. has been awarded to F. W. MARK, 244 Bay Bldg. G. T. Tribe, Day Bldg., is the Arch.

Worcester, Mass.—A Swedish-Finnish Baptist Church is proposed on Belmont and Edwards Sts. Matts Nordstrom is Chn. of Bldg. Com.

†Ware, Mass.—The contract for the store and apartment block to be built on Main and North Sts. for E. Kaplan, 100 Main St., has been awarded to M. ALPERT, 138 Ferry St., Springfield. The structure will be of brick construction, two stories high, 115 x 70 ft., and will cost $30,000. F. A. Norcross, 46 Cornhill St., Boston, is Arch.

†Buffalo, N. Y.—The general contract has been awarded to the EASTERN CONCRETE STEEL CO., Morgan Bldg., Buffalo, for the construction of a $200,000 theater building.

†Comstock, N. Y.—The contract has been awarded to A. PASQUINI, 1123 Broadway, at $448,800 for the erection of the proposed group of prison buildings at Great Meadow, Washington County, N. Y.

New York (Borough of Brooklyn), **N. Y.**—Plans have been completed for a combination police and fire patrol station in the 46th Ward. The building which will cost $100,000, is to be erected at 55th and Pine Sts. It will be of colonial style, brick with white marble trimmings and green slate roof.

New York, N. Y.—Announcement has been made that the company organized to construct a new amusement garden to succeed the Madison Square Garden will be incorporated this week. Plans are being prepared by Walker & Gillette, 128 East 37th St. The cost will be about $1,500,000.

New York, N. Y.—The Corporation Counsel has approved the contract for plans, which McKenzie, Voorhies & Gmelin, 1123 Broadway, are preparing, for the proposed municipal building in Brooklyn. The cost will be about $3,000,000. It is probable that bids will be received in a few weeks.

New York, N. Y.—Plans have been filed for the construction of a 16-story office and loft building at Madison Ave. and 29th St. The cost will be about $500,000. The Thomas Addes Emmet Realty Co. is the owner.

Construction work will soon be started for the construction of a theatre at 971 Prospect Ave. The cost will be about $500,000. The Birnberg-Welter Amusement Co. is the owner.

Plans were filed for an open-stair fireproof tenement house at 77th St. for the Open Stair Tenement Co. It will be 100x89 ft., with accommodations for 94 families. Henry Atterbury Smith and William P. Miller are the Archs. The estimated cost is $110,000.

Bids are being received by Carrie Maegher, 3478 Third Ave., for the construction of two 5-story brick stores and tenement buildings at Third Ave. and 168th St. Plans by Horenberger & Bardes, Archs., 122 Bowery.

Plans have been completed by Schwartz & Gross, 347 Fifth Ave., for the construction of an 8-story apartment house at 119th St., east of Amsterdam Ave. The cost is about $300,000. H. Jacobs, 420 West 119th St., is the owner.

The Hensle Construction Co., 3210 Broadway, will construct eight 5-story tenements at Arden St. The estimated cost is $200,000. Plans by George Fred Pelham, 507 Fifth Ave.

Plans are being prepared by George Fred Pelham, 507 Fifth Ave., for the construction of a 6-story tenement at Nagle Ave., near Arden St. The cost will be about $175,000. The Hensle Construction Co., 3210 Broadway, is owner.

Plans have been completed by Schwartz & Gross, Archs., 347 Fifth Ave., for the construction of an 8-story tenement at 104th St., east of West End Ave., for the Bloomingdale Construction Co., 2734 Broadway. The cost will be about $200,000.

New York (Borough of Brooklyn), **N. Y.**—Frank Freeman, 152 Nassau St., has been selected architect to prepare plans for the Boarding Home for Working Girls, for which the Y. M. C. A. of Brooklyn has raised $400,000.

New York, N. Y.—A club house representing an investment of about $500,000 will be constructed at 106 to 110 West 46th St., west of Sixth Ave., by the Friars.

New York, N. Y.—Bids will be received by Joseph Johnson, Fire Comr., 157 and 159 East 67th St., Manhattan, until 10:30 p. m., Nov. 20, for furnishing all the labor and materials required for the erection and completion of a new building for a Hook and Ladder Company, at 191 Fulton St.

Syracuse, N. Y.—It is reported that the Keith theatrical interests have decided to erect a 7-story business block, with a theater, at an estimated cost of $400,000.

Syracuse, N. Y.—The World Wide Baraca Philathea Union will construct their temple and headquarters here at an estimated cost of $250,000.

Eatontown, N. J.—The First National Bank will construct a building for business purposes.

†Plainfield, N. J.—The contract has been awarded to CHARLES BICKNELL, Plainfield, N. J., for the construction of 24 residential structures at West Fourth St. and Plainfield Ave. The Brotherhood Real Estate Co. is the owner.

†Asbury Park, N. J.—The contract has been awarded to L. R. TAYLOR & CO., Asbury Park, for the construction of a new beach hotel. The hotel will be of steel, brick and white stone. It will be on the block bound by Ocean, Sixth and Seventh Aves., and Kingsley St. Frank L. Watson, of Philadelphia, is Arch. The cost will be about $370,000.

Newark, N. J.—Frederick A. Phelps, Arch., 920 Union Bldg., Newark, has completed plans for the construction of a 3-story and basement brick and concrete warehouse for the Wilkinson-Gaddis Co. The estimated cost is $150,000.

†New Providence, N. J.—The contract has been awarded to METZGER & WELLS, Heed Bldg., Philadelphia, for the construction of the Bonnie Burn sanatorium. The cost will be about $75,000.

Uniontown, Pa.—Plans are being prepared by Seymour & Paul Davis, 1600 Chestnut St., Philadelphia, for the construction of a Y. M. C. A. building in Uniontown, also a building in Johnstown, Pa. Noted Nov. 2.

Natrona, Pa.—The Pennsylvania Salt Manufacturing Co. is planning improvements to cost about $100,000. The improvements include an office building, an addition to the power plant, reconstruction of the muriatic acid department and the replacing of the old building with fireproof structures.

†Beaver Falls, Pa.—A contract for the proposed Providence Hospital has been awarded to L. C. KIRKER & SON, Beaver Falls. The approximate cost is $50,000.

†Clarksburg, Pa.—Sub contracts have been awarded by the THOMPSON-STARRETT CO., 2 National Bank Bldg., Pittsburgh, for the construction of the Union National Bank's building as follows: Steel work, to the McCLINTIC-MARSHALL CONSTRUCTION CO., Park Bldg., Pittsburgh; ornamental iron and bronze work, to the FLOUR CITY ORNAMENTAL IRON WORKS, 2637 27th Ave., Minneapolis, Minn.; terra cotta, to the FEDERAL TERRA COTTA CO., 111 Broadway, New York; plumbing, electric wiring and vacuum cleaning apparatus, to JOHN O'HARA & SON, 1005 Forbes St.

Philadelphia, Pa. — The Philmont Country Club is having plans prepared for the construction of a $50,000 locker house, with apartments in the upper floors.

Philadelphia, Pa.—Plans have been completed by a committee of the American Institute of Architects for interior alterations to be made to the Congress Hall, Sixth and Chestnut Sts.

Baltimore, Md.—A 3-story reinforced concrete garage will be constructed at 1129 Cathedral St. The cost will be about $50,000. James M. Bowers is the owner. Plans were prepared by Glidden & Friz, Archs., Baltimore.

Newell, W. Va.—The First Methodist Episcopal Congregation will soon start construction work on its proposed new edifice. The Rev. W. H. Debalt is pastor.

†Atlanta, Ga.—An 8-story fireproof building of concrete construction will be erected by EDWARD H. INMAN for Davison-Pacon-Stokes. The building will be located at Hunter and Broad Sts.

Columbia, S. C.—A 14-story bank and office building, 93 x 52 ft., will be erected by the Palmetto Construction Co., John J. Seibels, Pres. Plans are being prepared by Israels & Harder, 31 West 31st St., New York City.

Jacksonville, Fla.—Plans are being considered by the Germania Club for the construction of a $50,000 club house.

Chattanooga, Tenn.—Bids will be received by Judge Allison, Chn. Court House Com., until Nov. 27, for the construction of a court-house.

Paducah, Ky.—It is proposed to issue about $75,000 in bonds for the purpose of constructing a school.

Paulding, Ohio.—The Paulding National Bank will erect a bank building. Plans are being prepared.

Portsmouth, Ohio.—Arthur Dovoss has been commissioned by L. P. Haldeman to prepare plans for the construction of a business block on East Sixth St.

†Youngstown, Ohio.—The Youngstown Hotel Co. will erect an 8-story hotel building. The cost will be about $750,000. The general contract is held by CALDWELL & DRAKE, 25 West Front St., Youngstown.

†Columbus, Ohio.—The contract has been awarded to HENRY KARG, of Columbus, for the construction of a school house. The approximate cost is $93,360.

Toledo, Ohio.—A wholesale grocery building will be constructed at Washington and Ontario Sts., by R. A. Bartley.

Indianapolis, Ind.—A colored Y. M. C. A. building will be erected here. The cost will be about $100,000. H. A. Goddard is Secy.

Elkhart, Ind.—The Directors of the General Hospital Association, A. H. Beardsley, Chn., have selected a site on which to build a hospital building.

Evansville, Ind.—The City National Bank has purchased a site on Main and Third Sts. and has ordered plans for the erection of a 4-story bank and office building. Estimated cost, $175,000.

New Paris, Ind.—Charles Swatt, Trustee of Jackson Township, announces that a new central township school building in New Paris is contemplated.

Detroit, Mich.—A committee has been appointed to secure architects for the proposed $150,000 Board of Commerce building. The structure will be erected on the present site, at Lafayette Blvd. and Wayne St.

†Chicago, Ill.—A contract has been awarded to the GUARANTEE CONSTRUCTION CO., 105 West Monroe St., for the erection of a theatre. The Victoria Theatre Corporation, 2329 West Madison St., is owner.

An apartment building to cost about $150,000 will be erected by John C. Krietenstein at Calumet Ave. and 46th St. The structure will contain 42 four and five-room apartments. Thomas Bishop & Co. are the Archs.

Tuscola, Ill.—Plans have been completed by Joseph W. Royer, Arch., Urbana, Ill., for the construction of a 3-story court-house. The cost will be about $150,000.

†Rockford, Ill.—The contract has been awarded to PEARCE BROS. for the construction of a building for the Security Insurance Co. The cost will be about $40,000. Plans were prepared by Hoggson Bros., 7 East 44th St., New York City.

Green Bay, Wis.—The City Council has acted favorably upon a recommendation to bond for $93,000 for a new school structure.

†Fort Atkinson, Wis.—A $75,000 high school is to be erected here. The contract for the interior woodwork has been let to the FERNHOLZ LUMBER CO. of Jefferson.

Milwaukee, Wis.—The Saxe Bros. are contemplating the erection of an 8-story office block on the Brown Row site, Second and Wells Sts. No plans or estimates have been made, but the building is to be used for stores, offices and light manufacturing. The site is valued at $250,000.

La Crosse, Wis.—The Western Vaudeville Association is planning the erection of a vaudeville theatre, to belong to the Orpheum circuit.

Racine, Wis.—The James Co. is having plans prepared for a 6-story office building. The cost is estimated at $70,000. David James is Pres.

Racine, Wis.—The County Board is contemplating the erection of a new county court house on the site of the present structure. The building will be about a block square and modern throughout. Edward Malone of Waterford is interested.

Rhinelander, Wis. — The Common Council and the School Board have authorized the erection of a $75,000 high school to be built next spring.

Des Moines, Iowa.—The Observatory Bldg., West Fourth and Locust Sts., will be built four stories higher and generally improved at a cost of about $200,000. Lynch & Davidson, St. Paul, are at the head of a syndicate which bought the building.

Des Moines, Iowa.—A 12-story hotel building will be erected here by H. C. Hansen.

Iowa City, Iowa.—Bids will be received by the Johnson County Savings Bank until 1 p. m., Nov. 15, for the construction of an office building.

Lanesboro, Minn.—Bids are being received by John Solburg, Clk., for constructing an addition to the high school. Plans by J. E. Nason, 622 Corn Exchange, Minneapolis.

Eveleth, Minn.—A $60,000 school will be erected on Fayal Road to replace the school which was recently destroyed by fire.

Atchison, Kan.—A 7-story hotel will be erected by the Atchison Hotel Co. Plans are being prepared by Sayler & Seddon, Gumbel Bldg. The cost will be about $250,000.

Ft. Scott, Kan.—Plans are being prepared by T. H. Felt, Kansas City, for the erection of a high school. John H. Prichard is Pres. of the Bd. of Educ. The cost will be about $110,000.

Wichita, Kan.—A building will be erected on North Main and Elm Sts. by Professor H. Samuels, Wichita. The cost will be about $40,000.

†Lincoln, Neb.—The contract has been awarded to W. A. CAMPBELL for the construction of the state serum plant.

†Minot, S. Dak.—The contract for the station of the Minneapolis, St. Paul & Sault Ste. Marie Ry. has been awarded to the BAILEY-MARSH CO., Minneapolis. The approximate cost is: Station proper, $72,000; express and baggage station depot, $18,000.

St. Louis, Mo.—Plans have been prepared for the Eltrick Realty Co. for the construction of a 3-story fireproof brick and stone apartment house. The cost will be about $140,000.

†Springfield, Mo.—The Knights of Pythias of Missouri awarded the contract to J. H. SUTTON & SON, Bethany, Mo., to construct the State Pythian Home.

Houston, Tex.—Plans have been completed by Mauran, Russell & Crowell, Chemical Bldg., St. Louis, Mo., for the construction of an 18-story hotel building. The Rice Hotel Co. is the owner. The cost will be about $1,500,000.

Claude, Tex.—Bids will be received until Nov. 15 by the Commissioners' Court for the construction of a 3-story brick and stone court house. Plans by Elmer G. Withers, Arch.

Kingsville, Tex.—The St. Louis, Brownsville & Mexico Ry. will shortly begin the construction of an office

building at Kingsville. The cost will be about $50,000. J. F. Porterfield, Carbondale, Ill., is the Supt.

Pecos, Tex.—W. H. Kelly, Pecos, has been retained to prepare plans for the proposed Pecos Carnegie Library.

Spokane, Wash.—Plans have been completed by Robert C. Sweatt, Arch., Realty Bldg., Spokane, for the erection of the Marcus Whitman school. The structure will be built of brick and stone with terra cotta trimmings. The main portion will be semi-fireproof, and the boiler room wing entirely fireproof. This wing is isolated from the rest of the building. The approximate cost is $75,000.

Bremerton, Wash.—See item under Miscellaneous Contracts — Magazine Buildings.

Walla Walla, Wash.—Robert Tegan, of Portland, Ore., has been commissioned to prepare plans for a hospital building to be erected for the Sisters of Charity of the House of Providence. It will be four stories of brick construction and cost in the neighborhood of $200,000.

✚Portland, Ore.—The contract has been awarded by the Hanover Building Co. to the MORGAN, FLIEDNER & BOYCE CO., at $85,000, to construct a 6-story fireproof apartment house at 167 King St.

✚Portland, Ore.—A permit has been granted to Mrs. E. F. Goode for the erection of a 4-story building at Sixth and Everett Sts. The contract has been awarded to the LEONARD CONSTRUCTION CO., at $60,000.

Portland, Ore.—The Journal Building Co. will erect a building for The Journal on Southeast Seventh and Yamhill Sts. across the street from the Hotel Portland. The building to be Class A-1, the cost of the building, including the ground, to be $600,000.

Fresno, Cal.—Preliminary plans are being prepared in San Francisco for a Class A office building to be erected at Tulare and K Sts., for the Rowell-Chandler Co. It will be six stories high with basement, of steel frame and brick construction, with pressed brick surface, 75 x 150 ft. The estimated cost is $200,000.

Cucamonga, Cal.—A wine storage building, 100 x 135 ft., will be erected by the Cucamonga Vintage Co.

Longbeach, Cal.—Dr. L. A. Pierce, of Longbeach, has purchased property at Fourth St. and Pacific Ave. It is reported that he will erect an apartment house costing between $50,000 and $75,000.

✚Los Angeles, Cal.—The contract has been awarded to the JOHN ROBERTS CO., Lankershim Bldg., Los Angeles, at $359,000, for the construction of a 6-story and basement reinforced-concrete building for John D. Spreckles and W. H. Hannam. The building will cost about $400,000.

Los Angeles, Cal.—Plans have been prepared by Parkison & Bergstrom, Archs., 1035 Security Bldg., for a 6-story and basement Class A office building to be erected at Fifth and Olive Sts. for the Department of Public Service of the city.

Plans are being prepared by George Low, Supt. of Construction, at the County Hospital, for the new Los Angeles County Psycopathic Hospital building to be erected on Mission Road. The building will cost about $100,000.

Plans are being prepared by Hunt & Burns, Archs., 701 Laughlin Bldg., for a modern hospital to be built at Sunset Blvd. and Vermont Ave. for the Children's Hospital Society, Los Angeles. The cost will be between $125,000 and $150,000.

Plans are being prepared by A. F. Rosenheim, Arch., 615 H. W. Hellman Bldg., for the intermediate school to be erected at Boyle Heights. Appropriation under the recent bond issue was $150,000.

See item under Miscellaneous Contracts—Conservatory.

✚Los Angeles, Cal.—The contract has been awarded to GEORGE H. WHYTE, Pasadena, at $150,000, for the construction of the Mary Andrews Clark Memorial Home on Loma Drive. The cost will be about $200,000. Plans were prepared by A. B. Benton, Arch.

Los Angeles, Cal.—Plans are being prepared by A. F. Rosenheim, H. W. Heilman Bldg., for a group of model buildings to be constructed on a dairy ranch near Lancaster for Evans & Whidden.

Patton, Cal.—Bids will be received by N. Ellery, State Engr., Capitol Bldg., Sacramento, until noon, Nov. 16, for constructing cottage G building at the State Hospital.

Pomona, Cal.—Plans have been prepared by Davis & Higgs, Archs., for the erection of a 5-story business block at Third and Thomas Sts. for the Pomona Investment Co. Work will begin soon. The estimated cost is $65,000.

San Diego, Cal.—Plans are being prepared for the erection of a 4-story brick business building on the corner of First and A Sts. for Grant McArthur & G. D. McArthur. The building will be 100 x 100 ft., and will cost between $50,000 and $60,000.

San Francisco, Cal.—St. Paul's Episcopal Congregation will construct a new building on the site recently purchased at Bay Pl. and Montecito Ave. The cost is approximately $100,000. Plans have been completed by Benjamin MacDougall, San Francisco.

San Francisco, Cal.—Henry C. Smith, Arch., has completed working drawings and specifications for a 5-story reinforced-concrete apartment house to be erected on Leavenworth St. near Turk St. for A. Lieia. The estimated cost is about $60,000.

Plans are being prepared for a 4-story and basement apartment house to be erected on Northwest Fillmore St. and Broadway by the Board Realty Co. The cost will be about $110,000.

The Stanley Morshead apartments, to be erected at California and Mason Sts., will be six stories high and of class A type, costing in the neighborhood of $200,000. Preliminary sketches have been prepared, and Ward & Blohme, Alaska Commercial Bldg., will probably be the Archs.

B. Marcus Priteca, Westbank Bldg., has been commissioned by the Kahn Co. to prepare plans for an 8-story and basement class A music hall and office building to be erected on Stevenson St., San Francisco, between Third and Fourth Sts. The estimated cost is $800,000.

San Francisco, Cal.—Plans have been completed by Smith & Stewart, 244 Kearny St., for the construction of a 5-story brick and steel apartment house at Broadway and Fillmore St. The estimated cost is $110,000. The Broad Investment Co. is the owner.

Stockton, Cal.—Preliminary plans have been submitted for the new school building to be erected at Northwest Church and American Sts. The cost will be about $53,000.

Wilmington, Cal.—Allison & Allison, 1206 Union Trust Bldg., have been commissioned by the Board of Education to prepare plans and specifications for a new school building to be erected at Wilmington. The cost is about $45,000.

Victoria, B. C.—A permit has been issued to Atkinson & Dill, contractors, and H. S. Griffiths, Arch., for a 5-story and basement reinforced-concrete building for Bradshaw & Marymont, to be located on Douglas St. The cost will be about $126,000.

WATER SUPPLY—IRRIGATION.

(✚Denotes a contract awarded.)

✚Boston, Mass.—The contract for laying 3,250 ft. of 8 to 12-in. water pipe in various streets has been awarded to LOUIS BALBONI.

Bids for laying 3,100 ft. of 8 to 12-in. water pipe in various streets will be received by the Public Works Department until Nov. 10. Louis K. Rourke is Comr.

New York, N. Y.—A resolution has been adopted providing for an issue of corporate stock of the City of New York, not exceeding $100,000, for furnishing and installing necessary engines, boilers and appurtenances and electrical equipment at the new Grant City pumping station, Boro. Richmond, in connection with improving the water supply system of the borough. Henry S. Thompson is Comr. Water Supply, Gas and Electricity.

New Providence, N. J.—Plans for the construction of the pumping station and lighting plant at the Bonnie Brae Sanitarium here, are to be revised and bids asked by the Board of County Freeholders, Elizabeth, N. J.

***Erie, Pa.**—Bids for the design, construction and erection of a 20,000,000-gal. triple expansion, crank and flywheel, condensing pumping engine will be received by the Commissioners of Water-Works until noon, Dec. 6. Copies of contract and specifications can be obtained at the office of the Commissioners of Water-Works and intending bidder upon deposit of $10 will be entitled to two copies. Proper receipt for each deposit will be given and the money will be refunded upon the return in good condition of the above or in case one copy is used in bidding, the other will become the property of the bidder, and deposit returned. Chester & Fleming, Union Bank Bldg., Pittsburgh, Pa., are Consult. Engrs. Noted on Oct. 12.

✚Wampum, Pa.—The contract for constructing water-works here, bids opened on Oct. 15, has been awarded by the city to the WALLER-DIEFENDORF CO., of Wampum, at $9,100. F. M. Butler, of New Castle, Pa., is Engr.

Norfolk, Va.—The cities of Norfolk and Portsmouth are considering the joint erection and operation of a municipal water works system.

Chipley, Ga.—The J. B. McCrary Co., Empire Bldg., Atlanta, Ga., has been engaged by the town to supervise the construction of the proposed water-works. Estimated cost, $20,000.

✚Newnan, Ga.—The J. B. McCRARY CO., Empire Bldg., Atlanta, Ga., has been awarded the contract by the Water and Light Commission for the construction of water-works extensions, including the furnishing of materials.

Hurtsboro, Ala.—The city has retained the J. B. McCrary Co., Empire Bldg., Atlanta, Ga., to supervise the construction of the proposed water-works system here.

Louisville, Ky.—Bids will be received until Nov. 16, by the Board of Public Works. R. G. McGrath, Secy., for erecting fire hydrants in various streets.

Cleveland, Ohio.—Bids will be received by A. B. Lea, Dir. Pub. Ser., until noon, Nov. 13, for furnishing lead pipe and pig lead for the Water Department. Specifications may be obtained at the office of the Superintendent of the Water Department. Ira O. Hoffmen is Secy.

Edgerton, Ohio.—The citizens are considering an issue of $30,000 of bonds for the installation of a water-works system.

Francesville, Ind.—The Central Indiana Water, Light, Heat & Power Co., of Francesville, has been incorporated with a capital stock of $125,000. The company will supply Francesville and neighboring cities and towns. The directors are: E. A. Rossiter, Hazel Keenon, Edward Smalley, Charles Lohrer and A. J. Cooper.

Tipton, Ind.—The City Council is considering plans for the entire reconstruction of the municipal water-works.

Chicago, Ill.—The U. S. Cast Iron Pipe & Foundry Co., Rookery Bldg., Chicago, has submitted the lowest bid to L. E. McGann, Comr. Pub. Wks., for furnishing and delivering at the various pipe yards, 500 tons of 8-in. c.-i. water pipe, at $28.25 per ton. Bids were opened on Oct. 18.

Bloomington, Ill.—Bids will be received until Nov. 10, by the city for laying water-mains in Wright St. E. Folsom, is City Engr.

Mounds, Ill.—O'Shea & Hogan of Cairo, Ill., have submitted the lowest bid to the Town Council for laying water-mains at $14,530.

Rushville, Ill.—We are officially advised that the city voted on Oct. 31, to issue $31,000. of bonds for improvements to the water-works system. It is proposed to pipe the water a distance of six miles. Water will be obtained from a series of wells and the plans provide for pumping by electrical power. Wood and iron pipe is specified for the main. Arrangements will be made at once for the letting of contract. W. A. Fuller of St. Louis, Mo., is Consult. Engr. The Council will also take up the matter of sewerage in a short time, as the city already has a complete set of plans and the work has been held up on account of the water supply. Howard F. Dyson is City Engr. Noted on Oct. 26.

Plymouth, Wis.—Plans have been prepared by W. G. Kirchoffer, Consult. Engr., of Madison, Wis., for the installation of a new water supply for Plymouth.

✚Cedar Rapids, Iowa.—Bids have been received as follows for a filtration plant, laboratory and storage room at the pumping plant: LOOMIS BROS., $6,790 (awarded contract); H. F. Jones, $8,104; Theodore Stark, $8,900; Brown & Mattas, $9,300.

Marengo, Iowa.—The town has voted to issue bonds for the erection of a water tank.

St. Paul, Minn.—The City Engineer has estimated the cost of necessary improvements at the water-works plant at $965,000, including a 36-in. main on Dale St., to cost $87,000; a 30-in. main on Dale St., $65,000; 24-in. main on Maryland Ave., $16,000; a 32-in. main, 16,000 ft. long; concrete conduit between Centerville and Pleasant Lake, and two reservoirs, $400,000.

Pittsburg, Kan.—We are officially advised that the city will extend the water mains. The present water plant was recently purchased by the city. L. E. Curfman is City Engr. Noted on Oct. 26.

✚Glasco, Kan.—We are officially advised that contracts have been awarded as follows by the city for water-works improvements: To the DES MOINES BRIDGE & IRON CO., Des Moines, Iowa, for water-works; and to the CHICAGO BRIDGE & IRON CO., 105th and Throop Sts., Chicago, Ill., for tower and tank. Bids were opened on Oct. 25.

Pratt, Kan.—See item under Miscellaneous Contracts: Fish Hatchery, Pratt, Kan.

Lincoln, Neb.—Roscoe C. Ozman, City Clk., will receive bids until noon, Nov. 9, for 400 tons of 16-in., 120 of 12-in., 75 tons of 6-in. and 45 tons of 4-in. c.-i. pipe and ten tons of specials.

Falls City, Neb.—The citizens on Oct. 17, voted in favor of issuing bonds for extending the water mains.

Wilcox, Neb.—Bids will be received by F. J. Mershon, Village Clk., until Nov. 17, for the construction of a water-works system. Plans have been prepared by W. E. Donner, Consult. Engr., Frohberg Bldg., Grand Island, Neb.

✚Kennebec, S. Dak.—The contract for constructing a steel tower and tank and 3,600 ft. of water main, has been awarded by the city to DES MOINES BRIDGE & IRON CO., of Des Moines, Iowa, at $6,098. Bids were opened on Oct. 19. The Dakota Engineering Co., of Mitchell, S. Dak., is Engr.

✚Newell, S. Dak.—The Secretary of the Interior, Washington, D. C., has awarded the contract to the PACIFIC COAST PIPE CO., of Seattle, Wash., for the construction of about 1,665 lin. ft. of 30-in. and 2,227 lin. ft. of 42-in. wood stave pipe near the town of Newell in connection with the Belle Fourche Irrigation Project, at $5,013.

Rapid City, S. Dak.—The Rapid Valley Irrigation & Development Co. has received a permit to appropriate 65 second ft. of water from Rapid and Dry Creeks, for an initial irrigation project for 4,500 acres, with an ultimate capacity of 10,000 acres. It is planned to construct a large reservoir in the Rapid Creek Valley. Flow Rapid City, George Sanders of City, S. Dak. is Pres.

✚Vermilion, S. Dak.—The contract has been awarded by the Council to P. F. CAVANAUGH, Vermilion, for the construction of the proposed pumping plant, at $8,997. Bids were opened on Oct. 16.

Portal, N. Dak.—The town has decided to construct a new pumping station.

Cody, Wyo.—Burns & McDonnell, Consult. Engrs., Scarritt Bldg., Kansas City, Mo., have been engaged by the town to prepare plans and specifications for the installation of a water-works system.

✚Powell, Wyo.—The Secretary of the Interior, Washington, D. C., has awarded the contract to LUNN & ARNOLDUS, of Lowell, Wyo., for the construction of culverts and drainage in the vicinity of Powell and Garland, Wyo., in connection with the drainage system of the Shoshone Irrigation Project, at $33,541. The work involves the excavation of about 173,000 cu. yds. of material and the construction of about 2,000 lin. ft. of wooden box cluverts.

Lamar, Mo.—The citizens have voted to issue $70,000. of bonds either to purchase the water system here, or to construct a new plant.

St. Louis, Mo.—Bills authorizing the expenditure of $150,000 for increased water distribution in the outlying districts of St. Louis and for additional fire protection in certain districts have been approved by the Board of Local Improvements. The proposed improvements include a 36-in. main from Baden Station to Calvary Ave., along Broadway, a distance of about one mile in the high-pressure district, and other work in the southwestern and northwestern sections of the city, to the extent of about 15 miles of pipe. Estimated cost of laying the pipes and accessories, about $37,000. Maxime Reber is Pres. Bd.

✚Marked Tree, Ark.—We are officially advised that the contract for the pumping plant has been awarded by the city to FAIRBANKS MORSE & CO. The MEMPHIS STEEL CONSTRUCTION CO., secured the contract for the tank and tower. Bids were opened on Oct. 25.

✚San Antonio, Tex.—Bids were received by the Medina Irrigation Co., 520 East Houston St., San Antonio, on Oct. 30 for building twelve or more contract sections of its west canal, located about 23 miles west of San Antonio and having an aggregate length of approximately 28 miles. Canals will have bottom widths of 20 ft. in level ground, 15 ft. in sidehill work, 10 ft. in concrete lined channels and will include approximately 1,400,000 cu. yds. of classified excavation material, two reinforced-concrete syphons, concrete culverts, flume approaches, and bridge crossings. Contract sections will be approximately of equal magnitude. We are officially advised that the contract has been awarded jointly to ROACH & STANSELL, of Memphis, Tenn., and FOSTER CRANE, of Boise, Idaho. Foster Crane will represent the joint contractors on the work, while Roach & Stansell will ship in the outfit and plant.

Dallas, Tex.—The City Commission has ordered the preparation of plans and specifications by J. M. Bassett, Ch. Engr. Water Dept., for sinking additional artesian wells that will increase the water supply by not less than 2,000,000 gallons per day. Bids will be received for putting down the wells.

Lubbock, Tex.—B. O. McWhorter will install a pumping plant near here for the purpose of irrigating 200 acres of land. A number of other similar plants will be installed in this section. The water supply is obtained from shallow wells.

New Braunfels, Tex.—The Attorney General, Austin, has approved an issue of $67,000 of bonds to extend and improve the municipal water-works plant and distributing system.

Tallihina, Okla.—The citizens on Oct. 19, voted to issue $25,000 of bonds for the construction of a water-works system, from plans by the Mullergren Engineering Co., of Poteau, Okla.

Tulsa, Okla.—The city is planning the extension of the water-works system. The work will include the erection of a concrete and brick pump station, wells or collecting gallery and an electrically operated pump for same, c.-i. pipe, hydrants, valves, 100-KW. generator, two motors, two centrifugal pumps, etc. Estimated cost, $100,000. B. H. Sands is Supt. W.-Wks.

***Pryor Creek, Okla.**—Bids for 33,000 lin. ft. of 10-in. Class "B" c.-i. water pipe will be received until 5 p. m., Nov. 20, by the city. Pipe must come under specifications for c.-i. pipe adopted by the American Water-Works Association. The Benham Engineering Co., American National Bank Bldg., is Consult. and Superv. Engr., Oklahoma City, Okla. J. Hillin is City Clk. Noted on Oct. 26.

Boulder, Colo.—The City Council on Oct. 23 opened bids for the construction of the Silver Lake Dam. Peter O'Brien, of Denver, Colo., submitted the lowest bid at $53,196.

Fowler, Colo.—The citizens have voted to issue $25,000. of bonds for the installation of a water system.

Seattle, Wash.—The City Council is considering an issue of $500,000. of bonds for water supply improvements.

†Sunnyside, Wash.—The U. S. Reclamation Service has awarded the contract to MATHIESON, MUDD & HANS, of Sunnyside, for the construction of a portion of the main canal, Sunnyside unit of the Yakima Irrigation Project, Wash., at $1,240. The work involves the excavation of about 25,000 cu. yds. of material.

Myrtle Creek, Ore.—The citizens have voted in favor of issuing $15,000 of bonds for enlarging the waterworks system.

†Portland, Ore.—The contract has been awarded by the Water Department to the CRANE CO., Chicago, Ill., for furnishing 160,000 lbs. of pig lead, at $4.74 per 100 lbs.

North Bend, Ore.—The cost of installing the Clear Lake water-supply has been estimated as follows: Clear Lake pipe line, etc., $291,000; three reservoirs, $29,000; Marshfield improvements, $42,000; North Bend improvements, $12,289; total, $374,289.

Monmouth, Ore.—Bonds for $16,000. have been sold for the installation of a water-works system. C. H. Green, Peyton Bldg., Spokane, Wash., is Engr.

†Vale, Ore.—The contract has been awarded to SLICK BROS. CONSTRUCTION CO., for the construction of a 20-mile canal for the Ontario-Nyssa Irrigation Project.

Amity, Ore.—The citizens are considering the installation of a water-works system.

Exeter, Cal.—Bids will be received until 8 p. m., Nov. 22, by the Board of Town Trustees, addressed to C. R. McEvers, Town Clk., for furnishing the necessary labor and materials for the construction of a complete water-works system. Sloan & Robson are Consult. Engrs., Nevada National Bank Bldg., San Francisco, Cal. Noted on Sept. 21.

Pasadena, Cal.—Estimates prepared by Louis A. Bartlett, Engr., 300 Chamber of Commerce Bldg., Pasadena, were submitted to the Board of Supervisors on Oct. 23. These estimates covered the cost of construction of the proposed storm water conduit from Rubio Canyon through North Pasadena via Allen Ave. The figures are: For settling basin, $20,000; 9,000 ft. of conduit at $4.50 per ft., $40,500; 4,900 ft. at $5.75, $28,175; 1,600 ft. at $8, $14,800; 1,600 ft. at $7, $11,200; 17,100 ft. and $114,675. If a larger culvert is used south of Colorado St. $3,200 is to be added.

†Patterson, Cal.—We are officially advised that the Patterson Land Co., Patterson, has awarded a contract to the ESTERLY CONSTRUCTION CO., of Berkeley, Cal., for 3,000 lin. ft. of reinforced concrete elevated flume, two concrete siphons under railroad track and county road, pumping stations, etc., and for a large amount of sidewalks, curbs, and gutters.

San Francisco, Cal.—Plans have been completed by the Engineering Department of the American Steel & Wire Co., 16th and Folsom Sts., San Francisco, for the construction of a pumping plant and equipment. Estimated cost, about $75,000. The building, which is to house the equipment, will be a 1-story reinforced-concrete structure and will be located on the west line of Harrison St., south of 15th St.

†Jonqueire, Que.—The PETROLEUM IRON WORKS CO., of Sharon, Pa., has been awarded the contract for building a penstock at Jonqueire. The penstock will be 12 ft. in diameter, a mile long and from one-half to fifteen-sixteenths of an inch thick and will weigh about 1,000 tons.

Hamilton, Ont.—In a report on the improvement of the water supply, A. F. Macallum, City Engr., and Willis Chipman, Consult. Engr., Toronto, Ont., have recommended the following work at once as necessary: Intake and crib $60,000; high level station, $67,000; beach station, $70,000; force main, $296,000; submains, $42,000 and conduit, $30,000.

Moose Jaw, Sask.—Bids will be received until 8.30 p. m., Dec. 4, by W. F. Heal, City Clk., for supplying to the Fire Department one pumping engine of 800. to 850 gallons per min. capacity. Bids may be submitted for motor-driven pumping engines, motor-propelled steam pumping engines, or horse-drawn steam pumping engines.

Calgary, Alta.—The City Council is considering an issue of $2,275,000 of bonds for water-works and other improvements.

Nuevo Laredo, Mex.—The city has issued bonds for $300,000 for the installation of a water-works plant and distributing system, and for a sewer system.

SEWERAGE.

*(*Denotes that this work is advertised in Engineering News.)*

Southington, Conn.—A sewer system is being planned for Southington. The work will be in charge of a special Sewer Committee.

Johnstown, N. Y.—The city is considering the issue of bonds for $30,000 for the construction of a trunk sewer. O. Terdon is City Clk.

Schenectady, N. Y.—The Common Council has adopted ordinances in De construction of sanitary sewers in De Witt St. and Michigan Ave. and storm sewers in Liberty and State Sts., east from Charles St.

Washington, D. C.—Bids will be received by the District Commissioners until 2 p. m., Nov. 17, for constructing sewers.

***Richmond, Va.**—The Council Committee on Streets has received bids for the construction of two sewers in Washington Ward and five smaller sewers in the city proper, comprising 5,000 lin. ft. of 2½ to 4-ft. sewer. A. W. Manard is probably lowest bidder at $90,000. Charles E. Bolling is City Engr. Noted Oct. 26.

Parkersburg, W. Va.—Bids will be received by the City Council until 10.30 a. m., Nov. 9, for the construction of an 8-in. sanitary sewer on Covert St., from Gould Ave. to Jackson Lane. Plans and specifications are on file with Frank Good, City Clk.

Louisville, Ky.—The lowest bid received by the Commissioners of Sewerage for the construction of the 32d and Dumesnil St. sewer, Contract 85, was submitted by the Henry Bickel Co., Louisville. Estimated cost, $30,000. Noted Oct. 19.

Akron, Ohio.—Bids were received Oct. 25 by the Board of Control for constructing a sewer in Otto St., as follows: Portage Engineering Co., $11,990; James J. Hunt Co., $10,325; Mc. Alonan Bros., $13,527; Walters & Russell, $14,632; E. McShaffery, $8,570.

Barberton, Ohio.—Bids will probably be asked in the spring for constructing a sewer system on the West Side. Estimated cost, $40,000.

Bryan, Ohio.—The city is considering the construction of a sanitary sewer system and disposal plant estimated to cost $50,000.

Cincinnati, Ohio.—Bids will be received by the Directors of Public Service until noon, Nov. 14, for constructing sewers in various streets. John J. Wenner is Clk.

Bids will be received by the Director of Public Service until noon, Nov. 10, for constructing main and lateral sewers and drains in various streets. John J. Wenner is Clk.

Elyria, Ohio.—Bids will be received by Thomas Potter, Dir. Pub. Ser., until noon, Nov. 10. for constructing an outlet to the Dykeman sewer.

Piqua, Ohio.—Bids will be received by T. D. McClay, Dir. Pub. Ser., until noon, Nov. 16, for the construction of a sanitary sewer in the west part of the city.

Toledo, Ohio.—Bids will be received by the Director of Public Service until noon, Nov. 13, for constructing sewers in various streets and alleys. F. G. Stockton is Secy.

†Youngstown, Ohio.—The Board of Control have received bids for the construction of a sewer in District No. 2, as follows: LEWIS ADVASIO, Youngstown, $8,156 (awarded contract); W. E. Gartland, Youngstown, $8,226; Frank Manella, Pittsburgh, $8,567; Prosser Construction Co., Carnegie, Pa., $11,093.

Indianapolis, Ind.—Bids will be received by the Board of Public Works until 10 a. m., Nov. 13 and 15, for constructing sewers in various streets. C. A. Schrader is Pres.

†Jasper, Ind.—The Town Trustees have awarded a contract for the construction of a sanitary sewerage system to the COFFEY CONSTRUCTION CO., Huntingburg, Ind., at $17,500. Noted Oct. 5.

Oakwood, Mich.—The Village Council will soon ask bids for the construction of a sewer system, to extend from Third St. to the River.

Chicago, Ill.—Bids will be received by the Board of Directors of the Municipal Tuberculosis Sanitarium, Fort Dearborn Bldg., until 11 a. m., Nov. 13, for constructing a sewage disposal system for the Municipal Tuberculosis Sanitarium, North 40th St. and Bryn Maur Ave. H. N. Higginbotham is Chn. of Bd.

Bids will be received by the Board of Public Improvements, E. J. Glackin, Secy., until Nov. 10. for constructing tile pipe sewers in South Green, Thomas, Marianna, South Peoria and other streets, and brick and tile sewers in Henderson, Melrose, Roscoe and other streets.

Clinton, Ill.—Bids will be received by the Barnett Drainage District until Nov. 17 for the construction of a tile drainage system. Estimated cost, $8,000. Mellish & Broyhill, Bloomington, Ill., are Engrs.

Glenellyn, Ill.—Plans are being prepared by the Aetna Engineering Bureau, 17 North La Salle St., Chicago, for a sewer system for the village of Glenellyn. Estimated cost, $160,000. Byron Williams is Pres. Bd. of Local Impvts.

Rushville, Ill.—See item under Water Supply—Irrigation.

Duluth, Minn.—The Board of Public Works has approved the construction of a sanitary main trunk sewer for the Woodland District, to extend from Austin to Superior St. Estimated cost, $45,605.

Eveleth, Minn.—Bids will be received by D. P. McIntyre, City Clk., until 8 p. m., Nov. 21, for the construction of a sanitary sewer along Roosevelt Ave. emptying into Fayal Pond. Plans are on file at the office of the City Engineer.

Girard, Kan.—Burns & McDonnell, Kansas City, Mo., are preparing plans for a sewage disposal plant to cost from $25,000 to $40,000. Fred A. Gerkes is City Clk.

Pratt, Kan.—Bids will be received by the Regents of the University of Kansas, at the office of L. L. Dyche, State Fish and Game Warden, Pratt, until 2 p. m., Nov. 21, for extensions and improvements to the State Fish Hatchery, to include the following items: Approximately 860 ft. of 12-in., 4,200 ft. of 10-in. and 13,930 ft. of 8-in. vitrified clay pipe, laid in trenches, from 2 to 6 ft. in depth. Edw. E. Brown is Secy. and Purch. Agt.; W. C. Hoad, University of Kansas, Lawrence, Kan., is Engr.

Union, Mo.—Bonds for $10,000 have been voted for the construction of a sewer system. The Fuller-Coult Co., Chemical Bldg., St. Louis, Mo., are Engrs.

Lemoore, Cal.—The lowest bid received for the construction of a sanitary sewer system, from plans prepared by Olmstead & Gilleien, Wright & Callender Bldg., Los Angeles, was submitted by W. J. Heafey, Lemoore, at $14,110.

Pasadena, Cal.—Louis A. Bartlett, Engr., Chamber of Commerce Bldg., has submitted plans and estimates to the Board of Supervisors of Los Angeles County, for the construction of the proposed storm-water conduit from Rubio Canyon through North Pasadena via Allen Ave. The estimates are as follows: Settling basin, $20,000; 9,000 ft. of conduit at $4.50 per ft., $40,500; 4,900 ft. at $5.75 $28,175; 1,600 ft. at $8, $14,800; 1,600 ft. at $7, $11,200; total, 17,100 ft., $114,675.

Imperial, Cal.—We are officially advised that the City has purchased the sewer system. Improvements estimated to cost $28,000 are contemplated. I. B. Funk is Consult. Engr.

Nuevo Laredo, Mex.—See item under Water Supply—Irrigation.

STREETS AND ROADS.

*(*Denotes that this work is advertised in Engineering News.)*

New York, N. Y.—Bids will be received by Alfred E. Steers, Pres. Boro. of Brooklyn, until 11 a. m., Nov. 15, for regulating, grading and paving various streets and furnishing asphalt paving blocks.

New York, N. Y.—Bids will be received by Maurice E. Connolly, Pres. Boro. Queens, until 11 a. m., Nov. 15, for paving, regulating and otherwise improving various streets.

Syracuse, N. Y.—Bids for paving Lodi St., between James and Green Sts., have been received by the Board of Contract and Supply, as follows: Warner-Quinlan Asphalt Co., Cowan brick, $7,513; Trinidad asphalt, $7,167; Central City Paving Co., Mack block, $7,639; Trinidad asphalt, $7,363; F. J. Baker, Johnsonburg block, $7,385; Trinidad asphalt, $7,155.

Troy, N. Y.—Bids for paving and otherwise improving Elm Grove Ave. from Pawling to Corning Ave., have been received by the Board of Contract and Supply, as follows: John H. Gleason, Troy, cement concrete, $4,824; vitrified brick, $4,894; sheet asphalt, $7,185; bituminous concrete, $5,601; Warren Bros. Co., bituminous concrete, $5,450. Noted Oct. 28.

Troy, N. Y.—Bids will be received by the Board of Contract and Supply until 11 a. m., Nov. 14, for labor, services and materials required in grading, sewering, curbing, regrading and improving Belle Ave., from Pine Woods Ave. to the end of Belle Ave. James M. Riley, is Secy. of Bd.

†Allenhurst, N. J.—We are officially advised that the contract for constructing a concrete bulkhead, walk and balustrade along the ocean front, was awarded Nov. 2, to J. A. HAVILAND, Seabright, N. J., at $21,775. Noted Nov. 2.

†Flemington, N. J.—The contract for constructing a macadam road between Clinton and Hampton has been awarded to M. I. DEMARSET, Sewaren, N. J., at $57,252. Noted Nov. 2.

Newton, N. J.—Bids will be received by the Board of Freeholders until Nov. 24 for grading and macadamizing two miles of road in Wantage Township. Dexter S. Goble is Chm. of Bd.

†Monongahela, Pa.—A contract for 6,000 sq. yds. of brick paving, 7,200 lin. ft. of curbing and 3,000 cu. yds. of grading has been awarded to M. ERBECK, Homestead, Pa.

†Pittsburgh, Pa.—Contracts for street improvement were awarded Oct. 27, as follows: BOOTH & FLYNN, Corday Alley, $3,742; Wilkins St., $18,820; Charles St., $3,716; J. B. SHEETS CO., Haights Alley, $2,047; THOMAS CRONIN CO., Herman St., $6,605; M. O'HERRON CO., Thomas St., $8,158. Noted Oct. 26.

Valley Forge, Pa.—We are officially advised that bids for road work at Valley Forge Park, were received Oct. 30, by J. O. Clark, Engr., Crozer Bldg., Philadelphia, as follows: Vincent Jafolla, 1241 South 13th St., Philadelphia, $7,629; McGlathery & Robb, 430 Walnut St., Philadelphia, $7,809; Wm. H. Doyle, Berwyn, Pa., $4,497. Noted Oct. 26.

†Philadelphia, Pa.—Bids for grading the west approach of the Passyunk Ave. bridge have been received by Harry A. Mackey, Dir. Pub. Wks., as follows: American Paving & Construction Co., 80 cts.; Atlantic Dredging Co., 60 cts.; D. S. BADER, 45 cts. (awarded contract); Cunningham Paving & Construction Co., 71 cts.; J. D. Dorney, 34 cts.; James Irving, 81 cts.; John M. McMenamy, 95 cts.; B. McNichol, 17½ cts.; David Peoples, 64 cts.

***Fort Dupont** (Delaware City postoffice) **Del.**—Bids will be received by Lieut. E. A. Stockton, Q. M., U. S. A., Fort Dupont, until 11 a. m., Nov. 22, for constructing macadam roads.

Baltimore, Md.—The Board of Estimates has allowed an appropriation of $1,500,000, for the construction of about 30 miles of streets, in 1912. Bids will be asked early in January. H. K. McKay is City Engr.

†Lynchburg, Va.—The Lynchburg Traction & Light Co., R. D. Apperson, Pres., has awarded a contract to J. R. FORD & CO., Lynchburg, at from $65,000 to $70,000 for improvements at Peakland, including grading, curbing, granolithic sidewalks, water, gas and sewer piping.

***Jacksonville, Fla.**—Bids will be received by the Board of Commissioners of Duval County, County Court House, Jacksonville, until 10 a. m., Nov. 24, for paving a portion of Atlantic Boulevard from the city limits of South Jacksonville, a distance of 6,000 ft. easterly, with asphalt macadam, and also vitrified brick. Information and specifications can be had upon application to Gail L. Barnard, County Engr.

†New Orleans, La.—The Board of State Engineers have awarded a contract to A. K. AMACKA, East Carroll, at $24,925, for the construction of a road from the Arkansas state line to the line of Madison parish.

†Memphis, Tenn.—The Speedway Land Co., 71 Madison Ave., Memphis, have awarded contracts as follows: concrete paving, B. F. DAVIES, $12,800; gravel paving, H. W. BRENNAN, $4,500; grading, J. L. NICHOLS, $4,500.

Louisville, Ky.—Bids will be received by the Board of Public Works until 2 p. m., Nov. 10, for the construction of asphalt pavement, with vitrified block gutters, on various streets. Estimated cost, $35,000.

Akron, Ohio.—Bids will be asked by the Commissioners of Summit County about Jan. 1, for the construction of 2¼ miles of macadam road, to cost $33,000. T. J. Paul is County Engr.

†Cadiz, Ohio.—Bids were received Nov. 3 for grading and macadamizing 1.31 miles of the Cadiz-Jewell Road in Archer Township, as follows: J. P. WARNICK, Cadiz, $9,869 (awarded contract); R. L. Timmons, $10,200. Noted Nov. 2.

Cincinnati, Ohio.—Bids will be received at the office of the Board of County Commissioners until noon, Dec. 1, for the improvement of Shady Lane Road from Cleves and Bridgetown Pike to Lower River Road, in Miami Township. Stanley Struble is Pres. and Fred Dreihs, Clk.

Cincinnati, Ohio.—Bids will be received by the Board of Commissioners, of Hamilton County, until noon, Nov. 17, for improving Langdon Ave., from Carthage Ave. to Montgomery Pike, and other streets. Stanley Struble is Pres. and Fred Dreihs is Clk. of Bd.

Cleveland, Ohio.—Bids will be received by A. B. Lea, Dir. Pub. Ser., until noon, Nov. 16, for grading, draining and paving with 4-in. paving brick Herrick Pl., from Herrick Road to the south end of the street. Ira D. Hoffman is Secy.

East Liverpool, Ohio.—Bids will be received by C. V. Beatty, Dir. Pub. Ser., until noon, Nov. 10, for improving various streets.

Findlay, Ohio.—Bids will be received by the Director of Public Service until noon, Nov. 9, for constructing a waterbound pike on North Main St., from Howard Run to Bell Ave. J. C. Edie is Clk.

Mansfield, Ohio.—Bids will be received by the Board of Commissioners of Richland County until noon, Nov. 23, for grading the Lafayette Road, in Sections 11 and 14, Weller Township. A. E. Courtney is County Audr.

†Mount Vernon, Ohio.—The contract for improving a road in Knox County has been awarded to O. L. ASHCROFT, Mount Vernon, at $8,218. Noted Oct. 26.

Ann Arbor, Mich.—Edwin W. Groves, City Engr., has prepared preliminary plans for approximately 100,000 sq. yds. of concrete paving in various streets. Work will not be started until spring.

Detroit, Mich.—Bids will soon be asked by the Department of Public Works for paving Boston Blvd. J. J. Haarer is Comr. of Pub. Wks.

†Hillsboro, Ill.—Contracts for street improvements have been awarded as follows: brick pavement on Tremont St., C. S. EDWARDS, Litchfield, Ill., $9,922; sidewalk in combination with retaining wall on Seward St., J. P. GOGGIN, Arcola, Ill.

†Rockford, Ill.—The Board of Local Improvements have awarded a contract for paving to A. E. RUTLEDGE, at $55,191.

Chicago, Ill.—Bids will be received until Nov. 10, by the Board of Local Improvements for constructing cement sidewalk on North Avers, Elston, Grand and Wilton Aves., Pearce, West 17th, and other streets. E. J. Blackin, is Secy.

Rock Island, Ill.—Bids will be received until Nov. 11, for paving 35th St., from Seventh to 18th Ave., with brick. Estimated cost, $51,000. W. Treichler is City Engr.

Rapid City, S. Dak.—Bids will soon be asked for grading and macadamizing about four miles of streets. James Hartgering is City Engr.

Elsberry, Mo.—Bids will be received by the Board of Directors of the Hurricane Township Gravel Road Co., until noon, Nov. 23, for the construction of 8½ miles of macadamized and gravel road. The work includes approximately 32,000 yds. of grading, 11,000 yds. of macadam and gravel, and necessary bridge and culvert work. Plans and specifications may be seen at the office of the Board in Elsberry. J. J. Shaw is Secy.

Lancaster, Mo.—Bids will be received by John A. Roberts, City Clk., until 7 p. m., Nov. 27, for constructing concrete sidewalks.

†Pine Bluff, Ark.—We are officially advised that bids were received Nov. 1, by the Commissioners of Paving District No. 27, as follows: (a) 20,000 sq. yds. wood block pavement; (b) 10,000 lin. ft. combined curb and gutter; (c) 13,500 cu. yds. excavation, (d) concrete bridge: Burke Bros., Fort Smith, Ark., (a) $2.45, (b) 50 cts., (c) 40 cts., (d) $7,500; Jos. McCoppin, Little Rock, Ark., (a) $2.24, (b) 49 cts., (c) 30 cts., (d) $5,600; Zeb. Ward, Little Rock, Ark., (a) $2.45, (b) 50 cts., (c) 45 cts., (d) $8,200; E. C. Royse, Pine Bluff, Ark., (a) $2.21, (b) 45 cts., (c) 31 cts., (d) $5,695; E. J. Wetterstrom, Chicago, Ill., (a) $2.34, (b) 42 cts., (c) 17.5 cts., (d) $8,000; C. E. Philpot & Co., Pine Bluff, Ark., (a) $2.15, (b) 44 cts., (c) 30 cts., (d) $5,495; SHELBY & BATEMAN, Little Rock, Ark., (a) $2.22, (b) 38 cts., (c) 30 cts., (d) $5,712, (awarded contract); Roach & Mannigan, Fort Worth, Tex., (a) $2.27, (b) 45 cts., (c) 40 cts., (d) $8,300; Jammison & Howell, Montgomery, Ala., (a) $2.27, (b) 48 cts., (c) 30 cts. Approximate total of succesful bidder, $57,500. William J. Parkes, Citizens Bank Bldg., Pine Bluff, is Engr. Noted Oct. 19.

***Boise, Idaho.**—Approximately 310,000 sq. yds. of either asphalt, bitulithic or concrete pavement will be laid in Boise, Idaho, during the year 1912. Address inquiries to the City Clerk.

†Salt Lake City, Utah.—See under Contract Prices.

†Colfax, Wash.—A contract for constructing bitulithic pavement on Main and Mill Sts., has been awarded to the WARREN CONSTRUCTION CO., at $93,000.

†Bakersfield, Cal.—The FAIRCHILD-GILMORE-WILTON CO., Los Angeles, has been awarded the following contracts for street improvements: 19th St. from N to Union Ave., at $22,144; portions of Park and Grove Aves., at $17,423; portions of streets in Kern District, No. 1, at $17,425; L St., between 18th and 19th Sts., at $9,502. The work consists of grading, paving and constructing curbs, gutters, 12 and 18-in. culverts and sidewalk approaches.

†The FEDERAL CONSTRUCTION CO. has been awarded the following contracts: portions of F St., at $11,316; 19th St., from G to Oak St., at $31,157; Chester St., from 22d to 25th St., at $12,320. The work consists of grading, paving and constructing curbs, gutters, 12 and 18-in. culverts and sidewalk approaches.

COTTON BROS., 343 Fifth St., San Francisco, have been awarded a contract at $21,327, for improving portions of North Baker St. Noted Oct. 19.

†Ontario, Cal.—BEESLEY & CASTLE have been awarded the contract for constructing sidewalks on Fern, Palm, Euclid, Plum and Cherry Aves., at 11 cts. per sq. ft., and for granite curbs on Main, State, Park, Grove, Nevada and Oakland Sts., at 20 cts. per lin. ft.

Patterson, Cal.—See item under Water Supply—Irrigation.

†Pamona, Cal.—The contract for paving Fifth Ave. from Garey to White Ave. has been awarded to the FAIRCHILD-GILMORE-WILTON CO., Los Angeles, at 12¾ cts. per sq. ft.

San Francisco, Cal.—The Board of Public Works has estimated that the paving of Fulton St. between Arguello Boulevard and 14th Ave. will cost $42,500.

Regina, Sask.—Bids will probably be received about Jan. 1, for paving to cost about $200,000. L. A. Thornton is City Engr.

MANUFACTURING PLANTS.

(*†Denotes a contract awarded.*)

†Boston, Mass.—The East Boston Co., 19 Congress St., has awarded a contract to the CONCRETE ENGINEERING CO., 101 Tremont St., for the erection of the first of several buildings which the company will build on its property at Porter and Orleans Sts., East Boston, for manufacturing purposes. The building, which will cost approximately $100,000, will be 200 × 60 ft. The tower end of the building will be 80 ft. wide.

North Adams, Mass.—Lockwood, Green & Co., Archs., 93 Federal St., Boston, have completed plans and are now receiving bids for the addition to the plant of Hoosac Cotton Mills Co., on Union St. Noted Sept. 7 and 28.

Hartford, Conn.—Greenwood & Noerr, Engrs., Hartford, Conn., are preparing plans for a factory building for the Abbott Ball Co. It will be of brick and steel, 40 × 100 ft., two stories high, with asbestos roof, concrete floors, freight elevator and steam heat.

†New Haven, Conn.—The contract has been awarded to LEWIS E. MILLER, at $49,884, for the construction of the work shop for the county jail, which was recently destroyed by fire.

†New Britain, Conn.—The contract has been awarded to the B. H. HIBBARD CO., New Britain, for a new factory building at the plant of the Russell & Erwin Manufacturing Co., plans for which were drawn by Philip Sellers, of New Haven, Conn. The building will be 06 × 83 ft., with a wing 67 × 32 ft., six stories and basement, of reinforced concrete. A stair tower, elevator and sprinkler system will be provided. The general contractors are receiving bids for the sub-contracts. Noted Oct. 5.

Norwich, Conn.—The contract for the steel frame of the 3-story building for the United States Finishing Co., has been awarded to the BERLIN CONSTRUCTION CO., Berlin, Conn. Noted Sept. 14.

†South Farms (Middletown post-office), **Conn.**—Contracts for the erection of a weave shed, 52 × 78 ft., of brick, three stories high, at the plant of The Russell Co., have been awarded to DENNIS O'BRIEN for the mason work and C. O. STONE for the carpenter work.

New York, N. Y.—Robert D. Kohn has filed plans for the construction of an 11-story candy factory for D. Auerbach & Sons on Eleventh Ave. and 47th St. The cost will be about $750,000.

†Jersey City, N. J.—The general contract has been awarded to the TURNER CONSTRUCTION CO., 11 Broadway, by the Standard Oil Co. for the construction of a 2-story warehouse, 215 × 90 ft., of reinforced-concrete construction, to be erected at their Clarmont, N. J., plant.

†Lewiston, Pa.—The Berkley Glass Sand Co. has awarded a contract to the LEWISTON FOUNDRY & MACHINE CO., Lewiston, Pa., for constructing a two-story plant at Berkley Springs, W. Va. The cost will be about $40,000.

†Monongahela, Pa.—The contract has been awarded to E. D. NEEL for the construction of a machine shop for the Diamond Machine Co.

†Port Allegheny, Pa.—The contract has been awarded to the GROTON BRIDGE CO., Groton, N. Y., by the Gray Chemical Co., Port Allegheny, for the construction of a 1-story chemical factory.

†Pittsburgh, Pa.—The contract has been awarded to the RAYMOND CONCRETE PILE CO., New York, for the concrete piles and foundations of a bean building to be erected for the H. J. Heinz Co.

Pittsburgh, Pa.—The Pittsburgh Armature Co., River Ave., Pittsburgh, has purchased a site in the West End, Pittsburgh, on which they will construct a new plant.

†Philadelphia, Pa.—The contract has been awarded by the Webb Terminal Warehouse Co. to IRWIN & LEIGHTON, Franklin Bldg., for the construction of a 9-story fireproof brick and concrete warehouse, at Delaware Ave. and Walnut St. The cost will be about $600,000.

Arlington, Md.—It is reported that the Zimmerman Ice Co., Arlington, has had plans prepared for a 1½-story ice making plant.

Baltimore, Md.—The Davison Chemical Co. will erect an addition to its plant at Curtis Bay. The cost will be about $20,000.

†Baltimore, Md.—The contract has been awarded by the Singer Sewing Machine Co., 111 West Lexington St., to JOHN COWAN, 106 West Madison St., Baltimore, for the construction of a plant.

†Hattiesburg, Miss.—Mill 3 of the J. J. Newman Lumber Co., which was recently destroyed by fire, will be rebuilt. The contract has been awarded to the MILWAUKEE BRIDGE CO., Milwaukee, Wis.

Jackson, Miss.—Competitive plans will be received until Dec. 15 for the construction of a church to cost $65,000 for the First Methodist Congregation. The Rev. A. F. Smith is Pastor and W. H. Watkins is Chn.

Memphis, Tenn.—The Anderson-Tully Co. will construct an addition to its box plant. The cost will be about $25,000.

Canton, Ohio.—The Canton Porcelain Co. will soon start construction work upon a plant. The company has recently been incorporated.

Cincinnati, Ohio.—The plant of the Pittsburgh Plate Glass Co., which was recently damaged by fire, will be rebuilt. The approximate cost is $30,000.

Cincinnati, Ohio.—The Cincinnati Traction Co. has been granted a permit to construct a 1-story brick boiler house. The cost will be about $10,000.

Sebring, Ohio.—The Strong Manufacturing Co., Bellaire, will erect a plant in Sebring. The cost will be about $250,000.

†Warren, Ohio.—The contract has been awarded to the McCLINTIC MARSHALL CO., Pittsburgh, Pa., by the E. A. Henry, Gen. Mgr., for the construction of a proposed plant.

Wyoming, Ohio.—Plans are being prepared for the H. C. Wood Co., Norwood, for a $50,000 ice plant.

Booneville, Ind.—It is reported that the Elkhorn Mills Co. has prepared plans upon which bids will be received for the construction of a grain elevator and also for a storage tank.

Goshen, Ind.—The Goshen Concrete Tile Manufacturing Co. will ask for bids for the erection of a factory plant as soon as plans are completed. The site has been donated by the Commercial Exchange.

Muskegon, Mich.—Plans have been completed by the Campbell-Wayant-Cannon Foundry Co. for the construction of an addition to its foundry.

Chicago, Ill.—The Rand-McNally Co., Chicago, has taken out a building permit for the construction of a 10-story factory and office building at Fifth Ave. and Adams St. The cost will be about $1,400,000.

Elgin, Ill.—The C. L. Clark Manufacturing Co. has been incorporated with a capital of $50,000 by C. L. Clark, H. H. Simons and W. H. Kimball. A plant will be erected at once.

Hegewisch, Ill.—The Western Steel Car & Foundry Co., Hegewisch, will construct a 1-story machine shop. The approximate cost is $31,000.

Brillion, Wis.—Officers of the Brillion Manufacturing Co., which recently suffered a $30,000 loss by fire, are considering the rebuilding of the plant here.

†Hartford, Wis.—The contracts have been awarded for the new building for the Kissel Kar Motor Co. THORN BROS. have the masonry contract and PETER MILLER the carpenter work.

Racine, Wis.—The Gold Medal Camp Furniture Co., Racine, Wis., is receiving bids for its proposed factory building to be 67 × 100 ft. and two stories high. The cost will be about $10,000.

Sheboygan, Wis.—The Gallard-Henning Pneumatic Drum Mfg. Co., Milwaukee, has drawn plans for two malt houses for the Konrad Schreier Brewing Co. One is to be five stories, 35x 135 ft., and the other two stories and 100x100 ft. Both will be fireproof, of steel and brick construction, with concrete floors and composition roofing.

†Sheboygan, Wis.—A machine shop addition of brick, with concrete floors, 56x38 ft. and one story high, will be built by the Rummele Auto Co. on Center Ave. LUECKE & HILPERTSHAUSER will do the mason work and H. E. MEIER the carpenter work.

Minneapolis, Minn.—The Avery Machine Co. will construct a $100,000 building. J. M. Orto is Mgr.

East St. Louis, Mo.—The Southern Ry. will construct an 18-stall round house and will establish a repair shop. The cost will be about $200,000. C. A. Pigford, Meriden, Miss., is Supt.

St. Louis, Mo.—The Prest-O-Lite Co., Indianapolis, Ind., has completed plans for a branch factory in St. Louis. The cost will be about $50,000. Noted under Indianapolis, Ind., Oct. 12.

St. Joseph, Mo.—The American Dantium Steel Castings Co. has been incorporated, with a capital of $150,000, to erect a plant and manufacture steel castings. Edward Richards is one of the incorporators.

El Paso, Tex.—The Blumenstein Chemical Works of Pottsville, Pa., will establish a factory here for the manufacture of powder and cartridges to supply the Southwestern and Mexican trade. The plant will cost about $100,000.

San Antonio, Tex.—It is announced by H. I. Miller of New York, Vice-Pres. of the Medina Irrigation Co., that it has in contemplation the erection of a large canning factory and pickling works upon its 60,000-acre tract of land that it is placing under irrigation near here.

Denver, Colo.—The King Auxiliary Manufacturing & Iron Co., Chicago, is contemplating constructing a branch factory at Denver. The cost will be about $150,000.

Denver, Colo.—The Union Pacific Ry. shops will be enlarged to more than twice their present capacity. J. W. Adams, Omaha, Neb., is Supt.

Belen, New Mex.—The Kansas Ice Co. of Newton, Kan., will install an ice factory here, to cost more than $100,000. It will have a daily capacity of 100 tons of ice and will be used primarily to supply the fruit cars of the Atchison, Topeka & Santa Fe R. R.

Safford, Ariz.—The Eagle Milling Co. of Tucson will erect a large flour mill here. The site for the proposed plant has been purchased.

Bountiful, Utah.—The Inter-Mountain Explosive Co. will build a $100,000 powder plant near this place. A tract of 80 acres has been secured on the shores of Great Salt Lake for a building site.

Colfax, Wash.—Marck & Weberne have been granted a permit to construct a slaughter house and fertilizer factory with a cold storage room. The cost will be about $50,000.

Oakland, Cal.—The National Biscuit Co. will erect a plant and several warehouses costing from $75,000 to $100,000 on San Pablo Ave.

Chihuahua, Mex.—Benjamin Reville and associates will install an ice factory here at a cost of $30,000.

MISCELLANEOUS CONTRACTS.

(**Denotes that this work is advertised in Engineering News.*)

U. S. RECLAMATION SERVICE.—All news concerning canal and irrigation projects, etc., will be found under Water Supply—Irrigation.

†Dredging.—Boston, Mass.—Bids received as follows on Oct. [illegible] for widening and deepening the channel to the Calf Pasture pumping station: J. P. O'RIORDEN, Boston, $10,9[illegible] (awarded contract); Eastern Dredging Co., $11,580.

†Wharves.—Boston, Mass.—The contract for the reconstruction of two wharves at Deer Island has been awarded to LAWLER BROS., Charlestown, Mass., at $12,090. Other bidders were: Geo. T. Rendle, $1[illegible]16; W. H. Ellis, $13,197; Rendle & Stoddard, $14,751. Fred S. Gore is Comr. of Penal Institutions.

***Dredging.**—Bridgeport, Conn.—Bids were received as follows on Nov. 2 by Capt. A. E. Waldron, Corps Engrs., U. S. A., for dredging in Bridgeport Harbor: (a) removing about 6[illegible] cu. yds. in areas (a) (b) and (c) per cu. yd.; (b) for removing about 1[illegible] cu. yds. in area (d) per cu. yd.; (c) totals: Maritime Dredging Co., New York, (a) 15.5 cts., $10,075; (b) 15.5 cts., $2,480; (c) $12,555; Taylor Dredging Co., Jersey City, N. J., (a) 14.9 cts. $9[illegible] (b) 14.9 cts., $2,384; (c) $12,069; John H. Gerrish, New York, (a) 13.3 cts., $8,645; (b) 16.7 cts., $2,672; (c) $11,317 (recommended for acceptance).

Monument.—Elmire, N. Y.—Bids will be received until 11.15 a. m., Dec. 1, by James H. Berry, Comr. for Marking Graves of Confederate Dead, War Dept., Washington, D. C., for furnishing and erecting complete, including foundation, a monument in Woodlawn National Cemetery, Elmira.

Barge Canal.—Albany, N. Y.—Bids will be received by Charles E. Treman, Supt. Pub. Wks., until noon, Dec. 5, for Barge Canal Contract No. 10-A. This work provides for the completion of original contract No. 10, formerly held by the McDermott Contracting Co., and includes the construction of the Oswego Canal at Fulton, the raising of the upper dam at that place, and the construction of a dike. Engineer's estimate, $103,000. John A. Bensel is State Engr.

Dredging.—New York, N. Y.—Bids will be received by Alfred E. Steers, Pres. Boro. Brooklyn until 11 a. m., Nov. 15, for dredging Newtown Creek Canal at and in the canal and basin included within the boundaries of Johnson Ave., Montrose Ave., Morgan Ave., Varick Ave., and also in the Stagg St. basin. The Engineer's preliminary estimate is 13,225 cu. yds., scow measurement.

Repairs to Pier.—New York, N. Y.—Bids will be received until Nov. 16, by M. Gray Zalinski, Deputy Q. M., Gen., U. S. A., Depot Q. M., New York, for repairs to Pier 12, East River.

Fire Apparatus.—New York, N. Y.—Bids will be received until 1.30 p. m., Nov. 29, by M. Gray Zalinski, Deputy Q. M. Gen., U. S. A., Depot Q. M., New York for furnishing fire apparatus at various posts, Schedule 256.

†Subway.—New York, N. Y.—The Public Service Commission on Oct. 30 awarded the contract for Section No. 13, Lexington Ave. Subway, Triborough Subway System, to the BRADLEY CONTRACTING CO., 1 Madison Ave., at $4,071,416.

Vaults.—Syracuse, N. Y.—Bids will be received by C. E. Treman, Supt. Pub. Wks., Albany, until noon, Nov. 15, for constructing and installing fireproof filing vaults and for betterments to the Weighlock Bldg., at Syracuse.

Dredging.—Newark, N. J.—Bids will be received by the Board of Street and Water Commissioners until Nov. 9, for dredging the Passaic River from the easterly end of the dock of the Listen Agricultural Chemical Co., for a distance of about 2,000 ft. westerly. The quantity to be dredged is estimated at 40,000 cu. yds.

Grandstand, Etc.—Pittsburgh, Pa.—The city is considering the construction of a steel and concrete grandstand at the Schenley Park Racing Oval, brick shelter houses and public comfort houses, and the reconstruction of Lake Elizabeth in West Park, North Side. Joseph G. Armstrong is Dir. Pub. Wks.

Dredging.—Wilmington, Del.—Bids for dredging Double Creek, N. J., were received by Maj. R. R. Raymond, Corps Engrs., U. S. A., Wilmington, on Oct. 23, as follows: Pennsylvania Dredging Co., Camden, N. J., 15.9 cts. per cu. yd. The Rickards Dredging Co., Philadelphia, Pa., 32 cts. per cu. yd.

Wharf and Bulkhead.—Baltimore, Md.—The following bids were opened by the Secretary of Agriculture, Washington, D. C., on Oct. 24 for the construction of a wharf and bulkhead upon the grounds of the animal quarantine station, Solier's Point, Baltimore County: Sanford & Brooks Co., 10 Commerce St., Baltimore, $10,124; sand, 70 cts. per cu. yd. scowload lots; Mc-Lane Construction Co., Maryland Trust Bldg., Baltimore, $6,936; sand, 50 cts. per cu. yd.

Battleships.—Washington, D. C.—Bids will be received by the Secretary of the Navy until noon, Jan. 4, for the construction of two battleships.

Stable.—Front Royal, Va.—Bids will be received until noon, Nov. 20, by Capt. C. H. Conrad, Jr., Q. M., U. S. A., for constructing a veterinary stable at the Front Royal Remount Depot.

+Ditches.—Crowley, La.—Bids were received as follows on Oct. 28, by the Commissioners of the Sixth Ward and Crowley Drainage District, for the construction of about 40 miles of open ditches from two to six miles long, 10 to 40 ft. wide and two to five ft. deep, requiring about 600,000 cu. yds. of excavation and 90 acres of clearing. The contract has been awarded to D. P. GORE, New Orleans, La.

Bath House.—Cleveland, Ohio.—Bids will be received until noon, Nov. 13, by A. B. Leo, Dir. Pub. Ser., for constructing a new bath house at Edgewater Park. The structure will consist of masonry, reinforced concrete, carpentry, tile roofing and sheet metal work. Plans and specifications may be seen at the office of the Chief Engineer, 303 City Hall, or at the office of H. M. Gleichman, Arch., 410 Lenox Bldg., Cleveland.

***Concrete Work.**—Cincinnati, Ohio.—Bids will be received until noon, Dec. 1, by Major John C. Oakes, Corps of Engrs. U. S. A., Custom House, Cincinnati, for constructing, in concrete, guard-crib, guide and guard walls, and revetment in Muskingum River, Ohio.

+Ditch.—Princeton, Ind.—The Commissioners of Gibson County have awarded the contract for the construction of the Reg Creek Ditch to C. V. OWEN of Valparaiso, Ind., at $32,998. The ditch will run from Sumitville, north to the Patoka River.

Ditch.—Princeton, Ind.—The Commissioners of Gibson County, Princeton, have received plans and specifications for the construction of a ditch in Knight Township. Estimated cost, $10,000.

Ditches.—Rockport, Ind.—Bids will be received until 2 p. m., Nov. 11, by H. Bennet, Drainage Comr., Rockport, for the construction of two dredge ditches. One of the ditches will include 140,000 cu. yds. of excavation and 20,000 cu. yds. of laterals; the other, 180,000 cu. yds. of excavation and 47,000 cu. yds. of openwork. Estimated cost, $18,000 and $24,000, respectively.

Lock-Gate Machinery.—Lockport, Ill.—Bids will be received until noon Nov. 16, by I. J. Bryan, Clk., Bd. of Trustees of the Sanitary District of Chicago, 1500-76 West Monroe St., Chicago, Ill., for furnishing and erecting operating machinery for lock gates of canal lock adjacent to the power-house of the District, near Lockport, Will County, Ill.

Ditch.—Fort Dodge, Iowa.—New bids will be received until Nov. 14 by J. L. Hanrahan, County Audr., for constructing Ditch No. 96, requiring 526,100 cu. yds. of excavation. All bids for this work were rejected on Oct. 17. Noted on Nov. 2.

Ditch.—Glenwood, Iowa.—Bids will probably be asked in February for the construction of the Plum Creek ditch in Scott and Sidney Townships, Fremont County. The work will require 325,000 cu. yds. of excavation and two open laterals, including about 40,000 cu. yds. Seth Dean, of Glenwood, is Engr.

+Ditch.—Harlan, Iowa.—The contract has been awarded by the County Drainage Commissioners to the LANA CONSTRUCTION CO., of Harlan, for constructing the Honey Creek extension ditch, at $21,490.

Drains.—Nevada, Iowa.—The Supervisors of Story County, Nevada, will soon ask for bids for the construction of two tile drains. The Howard Township Drain No. 41 will require about 55,600 lin. ft. of tile, and is estimated to cost $45,000. Lincoln Township Drain No. 42 will require 17,000 lin. ft. of tile and is estimated to cost $7,750. John M. Wells, Nevada, is Engr.

Ditch.—Anoka, Minn.—Bids will be received until 10.30 a. m., Nov. 11, by A. A. Caswell, County Audr., Anoka, for constructing County Ditch No. 53, requiring 225,207 cu. yds. of excavation and 2,100 ft. of 24-in. pipe. James Corr, 114 South Fourth St., Minneapolis, Minn., is Engr.

Ditch.—Olivia, Minn.—**Bids will be** received until 3 p. m., Nov. 24, by J. L. Johnson, County Audr., Renville County, Olivia, for digging and constructing County Ditch No. 48, as follows: (a) for work as one contract, and (b) for one or more sections of 100 ft. each and also for one or more of the construction jobs, each of said sections to be known and numbered by stakes as shown by the report of the engineer, commencing at the one including the outlet, and from thence, successively up stream to the one including the source. The approximate amount of work to be done in the construction of the ditch is as follows: One cement retaining wall at outlet and furnishing and laying the following hard burned clay tile of standard make: Lateral No. 1, 3,365 ft. of 6-in. tile laid average depth of 4.56 ft.; Main Ditch: Station 231 x 85 to 223 an open ditch 476 yds. excavation; Station 223 to 206, 20 in. second-grade sewer tile laid average depth of 7.1 ft.; Station 206 to 161, 20-in. hard burned clay tile laid average depth of 11.6 ft.; Station 161 to 84, 18-in. tile laid average depth of 12 ft. Station 84 to 60, 14-in. tile laid average depth of 7.7 ft.; Station 60 to 0, 12-in. tile laid average depth of 5.3 ft.; cubic yards to be removed, 18,099.07. The estimated cost of the work is $15,-156.

+Ditch.—Wheaton, Minn.—Bids were opened on Oct. 21, by J. T. Erickson, County Audr., Wheaton, for constructing Ditch No. 4, requiring 240,730 cu. yds. of excavation. The contract has been awarded to the MULGREW-BOYCE CO., of Dubuque, Iowa, at $28,-100.

***Fish Hatchery.**—Pratt, Kan.—Bids will be received by The Regents of the University of Kansas at the office of the State Fish and Game Warden at Pratt, until 2 p. m., Nov. 21, for the construction of extensions and improvements to the state fish hatchery, which will include the following items: A low concrete dam 500 ft. in length; a concrete intake chamber, with appurtenances; a water supply conduit of 21-in. vitrified clay pipe, 6,875 ft. in length, with manholes and other appurtenances; approximately 125,000 cu. yds. of levee embankment; 860 ft. of 12-in. 4,200 ft. of 10-in. and 13,930 ft. of 8-in. vitrified clay pipe laid in trenches from 2 to 6 ft. in depth; 94 small concrete structures; 190 sluice-gates 8-in. and five c.-i. flood gates; and 300 wire mesh screens. Plans and specifications may be seen and forms of proposal may be obtained at the office of the State Fish and Game Warden, Pratt; at the office of Edward E.

LIST OF CONTRACTS PENDING

Plans and Specifications on File.

The following plans (P.) and Specifications (S.) are on file for reference only unless otherwise noted at the office of The Engineering News Publishing Co., 220 Broadway, New York.

Bids close.		Noted in issue of
11-10	Wells, pipe, Independence, Wis. ..... (P. & S.)	11- 2
11-10	and 11 Building, Hawaii. (S.)	9-21
11-10	and 11, Storehouse, Hawaii. ..... (S.)	9-21
11-11	Heating system, Arlington, Va. ..... (S.)	10-12
11-11	Quarters, Vallejo, Cal.. (S.)	10-12
11-17	Filtration plant, Rock Island, Ill. ..... (S.)	10-26
11-18	Walks, etc., Annapolis, Md. ..... (S)	10-26
11-18	Stable, Newport, R. I.. (S.)	11- 2
11-20*	Rock excavation, Boston, Mass ..... (S.)	10-26
11-25	Bridge, Portsmouth, N. H. ..... (S.)	11- 2
12-16	Magazine bldgs., Bremerton, Wash. ..... (S)	11- 9

Light, Heat and Power Plants.

Bids close.		Noted in issue of
11-10	Electric light plant and system and water-works	11- 9
11-11	Hot-water heating system, Arlington, Va.	10-12
11-13	Electric lamp, Takoma Park, D. C.	11- 2
11-14	Electric light system, Bexley, Ohio	11- 9
11-15	Street cars, San Francisco, Cal.	11- 9
11-15	Track and line material, Calgary, Alta.	11- 9
11-15	Steam heating plant, Ontario, Cal.	11- 9
11-20	Addition to electric light plant, Columbus, Ohio	11- 9
11-20	Heating system, Clay Center, Kan	11- 2
11-21	Electric lighting, Fremont, Ohio.	11- 2
11-24*	Equipment for power station, Lethbridge, Alta.	10- 5
11-27	Heating plant, Los Angeles, Cal.	11- 9
12- 7	Power machinery, New Orleans, La.	10-12
12-16	*Materials, (See Proposals) Philadelphia, Pa.	11- 9

Bridges.

Bids close.		Noted in issue of
11-10	Bridge work, Cincinnati, O.	11- 9
11-11	Bridge, Richmond, Va.	11- 9
11-11	Culvert, Belleville, Kan.	11- 9
11-13	Bridge, Boston, Mass.	10-26
11-13	Bridge work, Zanesville, O.	10-26
11-13	Bridge work, Wash., Pa.	10-26
11-14	Bridge, Jasper, Ind.	10-26
11-14	Bridge, Modesto, Cal.	11- 2
11-14	Bridge, Merced, Cal.	11- 2
11-16	Bridge, Marble Rock, Iowa.	10-26
11-16	Bridge work, Woodland, Ill.	11- 9
11-18	Bridge, Mountain Home, Idaho.	11- 9
11-17	Trestle, Los Angeles, Cal.	11- 9
11-18	Bridge, Harrisburg, Pa.	11- 9
11-20	Bridges, Houston, Tex.	10- 5
11-24	Culvert, Cincinnati, O.	11- 9
11-24	Viaduct, Cincinnati, O.	11- 9
11-25	Bridge, Toledo, Ohio.	10-26
11-25	Bridge, Portsmouth, N. H.	11- 2
11-29	Bridge work, Cleveland, O.	11- 9
12- 1*	Superstructure, Portland, Ore.	10-19
12- 2	Bridge, Indianhead, Ind.	11- 9
12- 5*	Bridge, Castle Hayne, N. C.	11- 9

Buildings.

Bids close.		Noted in issue of
11-10	Stations, St. Paul, Minn.	11- 2
11-11	Quarters, Vallejo, Cal.	10-12
11-13	Laundry bldg. (Mfg. Pl.), New York, N. Y.	11- 2
11-14*	Repairs to school, Fort Monroe, Va.	11- 2
11-15	Building, Iowa City, Iowa.	11- 9
11-15	Courthouse, Claude, Tex.	11- 9
11-16	Building, Patton, Cal.	11- 9
11-16	Building, Wash., D. C.	10-12
11-20	Bldg., New York, N. Y.	11- 9
11-20	U. S. post-office, Dayton, O.	10-19
11-22	U. S. post-office, Jersey City, N. J.	10-19
11-27*	U. S. post-office, Huron, S. Dak.	10-19
11-27	Court-house, Chattanooga, Tenn.	11- 9
11-29	U. S. post-office, Bloomington, Ind.	10-19
12- 2*	U. S. post-office, Parsons, Kan.	10-19
12- 5	U. S. post-office, Union City Tenn.	10-19
12- 5	Infirmary, Rockville, Ind.	10-19
12-14*	U. S. post-office, Homestead, Pa.	10-19
12-28	U. S. custom house, remodel, Boston, Mass	11- 2

Water-Works.

Bids close.		Noted in issue of
11- 9	Pipe, Lincoln, Neb.	11- 9
11- 9	Pumping engine, Washington, D. C.	10-26
11-10	Watermains, Bloomington, Ill.	11- 9
11-10	Waterpipe, Boston, Mass.	11- 9
11-10	Wells, pipe, Independence, Wis	11- 2
11-10	Water-works, Harlingen, Tex	11- 2
11-11	Pipe, Montrose, Colo.	11- 2
11-13	Pipe and lead, Cleveland, Ohio	11- 9
11-14	Sluice gates, Los Angeles, Cal	11- 2
11-14	Sleeves and valves, Portland, Ore	11- 2
11-14	W.-wks. impvts., Valley Falls, Kan.	11- 2
11-15	Water-works, Loreauville, La.	10-19
11-15*	Water supply, Cumberland, Md.	10-19
11-15*	Water-mains, Pensacola, Fla.	10-19
11-16	Hydrants, Louisville, Ky.	11- 9
11-17	W.-Wks., Wilcox, Neb.	11- 9
11-17	Filtration plant, Rock Island, Ill.	10-26
11-17	Siphons, Los Angeles, Cal.	10-26
11-17*	Well, Fort Hancock, N. J.	11- 2
11-20	Canal, Turlock, Cal.	11- 2
11-20	Pumping station, Springfield, Ill	11- 2
11-20	Water pipe, Prince Rupert, B. C.	11- 2
11-20*	Waterpipe, Pryor Creek, Okla.	11- 9
11-21*	Water-works, Obion, Tenn.	10-26
11-22	Water system, Exeter, Cal.	11- 9
11-30*	Canals, Yuma, Ariz.	11- 9
12- 1*	Water supply, Cumberland, Md	11- 2
12- 4	Pumping engines, Moose Jaw, Sask.	11- 9
12- 6*	Pumping engine, Erie, Pa.	11- 9
12- 6	Electrical energy, Fallon, Nev	11- 2
12-15	Pump house, tower, etc., Neepawa, Man	11- 2

Sewers.

Bids close.		Noted in issue of
11- 9	Sewer, Parkersburg, W. Va.	11- 9
11-10	Sewer, Elyria, Ohio.	11- 9
11-10	Sewers, Cincinnati, Ohio.	11- 9
11-10	Sewers, Chicago, Ill.	11- 9
11-10	Sewers, East Liverpool, O.	11- 9
11-10	Sewer basins, New York, N. Y.	11- 2
11-10	Sewer system, Kennewick, Wash.	11- 2
11-13	Sewers, Indianapolis, Ind.	11- 9
11-13	Sewers, Toledo, Ohio.	11- 9
11-13	Sewage system, Chicago, Ill.	11- 9
11-13	Sewers, Indianapolis, Ind.	11- 9
11-14	Sewers, etc., Troy, N. Y.	11- 9
11-14	Sewers, Cincinnati, Ohio.	11- 9
11-15	Sewers, New York, N. Y.	11- 9
11-15	Sewers, Indianapolis, Ind.	11- 9
11-15	Sewers, Pryor Creek, Okla.	10-19
11-16	Sewers, Sudbury, Ont.	10-26
11-16	Sewer, Piqua, Ohio.	11- 9
11-17	Sewer system, Clinton, Ill.	11- 9
11-17	Sewers, Washington, D. C.	11- 9
11-21	Sewer, Eveleth, Minn.	11- 9
11-21	Sewers, Pratt, Kan.	11- 9
11-27*	Sewers, Plainfield (See "Proposals")	11- 9

Streets and Roads.

Bids close.		Noted in issue of
11- 9	Pike, Findlay, Ohio.	11- 9
11-10	Paving, Louisville, Ky.	11- 9
11-10	Gravel road, Brazil, Ind.	10-26
11-10	Paving, etc., New York, N. Y.	11- 2
11-10	Sidewalks, Chicago, Ill.	11- 9
11-10	Street improvement, East Liverpool, Ohio	11- 9
11-11	Paving, Rock Island, Ill.	11- 9
11-13	Paving, Pittston, Pa.	10-19
11-13	Road construction, Wilkes-Barre, Pa.	10-26
11-14	Paving, etc., Pensacola, Fla.	10-19
11-14	Grading, etc., Troy, N. Y.	11- 9
11-15	Paving, etc., New York.	11- 9
11-15	Paving, Monmouth, Ill.	10-19
11-15	Grading, Cleveland, Ohio.	10-12
11-15	Grading, etc., Hamilton, Ala.	11- 2
11-15	Road construction, Baltimore, Md	11- 2
11-15	Paving, Paterson, N. J.	11- 2
11-16	Paving, etc., Cleveland, O.	11- 9
11-17	Street improvement, Cincinnati, Ohio	11- 9
11-17	Paving, Louisville, Ky.	11- 2
11-18	Walks, etc., Annapolis, Md.	10-26
11-20	Road improvement, East View, Ohio	11- 2
11-22*	Roads, Fort Dupont, Del.	11- 9
11-23	Paving, Elsberry, Mo.	11- 9
11-23	Grading, Mansfield, Ohio.	11- 9
11-24	Paving, etc., Newton N. J.	11- 9
11-24*	Paving, Jacksonville, Fla.	11- 9
11-27*	Highway improvement, Albany, N. Y.	11- 2
11-27	Sidewalks, Lancaster, Mo.	11- 9
11-29*	Highway improvement, Albany, N. Y.	11- 2
12- 1	Paving, Edmonton, Alta.	11- 2
12- 1	Road improvement, Cincinnati, Ohio	11- 9

Miscellaneous.

Bids close.		Noted in issue of
12- 9*	Metal work, Hawaii (U. S. Poss.)	11- 9
11- 9	Dredging, Newark, N. J.	11- 9
11-10	Repairs to pier, New York.	11- 9
11-10	Materials for repairs, New York	11- 2
11-10	Creosoted piles, Los Angeles, Cal.	10-26
11-10	and 11, storehouse, Hawaii (U. S. Poss.)	9-21
11-10	and 11, Building, Hawaii (U. S. Poss.)	9-21
11-11*	Earth levee, East St. Louis, Ill.	10-12
11-11	Storehouse, Hawaii (U. S. Poss.)	9-21
11-11	Levees, Texarkana, Ark.	10-10
11-11	Ferry boat, Clark Fork, Idaho	11- 2
11-11*	Crematory, Aurora, Ill. (Garbage).	11- 2
11-11	Steel rods, Panama (U. S. Poss.)	11- 9
11-11	Ditches, Rockport, Ind.	1- 9
11-11	Ditch, Anoka, Minn.	11- 9
11-13	Bath-house, Cleveland, O.	11- 9
11-13	Metal furniture, New York.	11- 2
11-13*	Dredging, New York.	10-19
11-14	Castings, cylinders, etc., Panama (U. S. Poss.)	9-21
11-14	Bronze, steel, etc., Washington, D. C.	10-26
11-14	Drain, Clarion, Iowa.	11- 2
11-15	Vaults, Syracuse, N. Y.	11- 9
11-15	Structural steel, etc., Panama (U. S. Poss.)	11- 2
11-15	Arch, Valley Forge, Pa.	11- 2
11-15	Transfer station, New York.	10-19
11-15	Dredging, New York	11- 9
11-16	Lock-gate machinery, Lockport, Ill.	11- 9
11-17*	Subway superstructure, Saskatoon, Sask.	10-26
11-18	Dredging, Washington, D. C.	11- 2
11-18	Stable, Newport, R. I.	11- 2
11-19	Elec. lighting, Roumania (Foreign)	9-21
11-20*	Pier and bulkhead, Philadelphia, Pa.	10-26
11-20*	Rock excavation, Boston, Mass.	10-26
11-20*	Repairs, to canal walls, Sault Ste. Marie, Mich.	10-26
11-20	Electric towing locomotives, Panama (U. S. Poss.)	
11-20*	Drainage canal, Caruthersville, Mo.	10-19
11-20	Stable, Front Royal, Va.	11- 9
11-20	Fire apparatus, North Yakima, Wash.	11- 2
11-21*	Fish hatchery, Pratt, Kan.	11- 9
11-22	Power plant, South Africa (Foreign)	10-19
11-22	Cable, Australia (Foreign).	10-19
11-22	Projectiles, Washington, D. C.	11- 2
11-22	Locomotive cranes, etc., Panama (U. S. Poss.)	11- 9
11-23*	Barges, Wheeling, W. Va.	10-26
11-24*	Locomotive crane, Memphis, Tenn.	10-26
11-24	Ditch, Olivia, Minn.	11- 9
11-27*	Channel impvt., New York.	11- 2
11-28*	Bulkhead wall, Providence, R. I.	11- 2
11-28	Dock, Bulgaria. (Foreign)	11- 2
11-29	Copper wire, etc., Australia (Foreign)	10-19
11-29	Fire apparatus, New York.	11- 9
12- 1	Buildings, Hawaii (U. S. Poss.)	11- 9
12- 1	Monument, Elmira, N. Y.	11- 9
12- 1*	Pumping machinery, India, (Foreign)	9-21
12- 1	Drainage, Osceola, Ark.	10- 5
12- 1*	Hulls and boilers, Charleston, S. C.	11- 2
12- 2*	Cut stone, Nashville, Tenn.	11- 2
12- 4*	Condensers, pumps, etc., Philippine Islands (U. S. Poss.)	10- 5
12- 4	*Engines, generators, etc., Philippine Islands (U. S. Poss.)	9-28
12- 5	Buildings, Porto Rico (U. S. Poss.)	10-19
12- 5	Barge Canal, Albany, N. Y.	11- 9
12- 7*	Concrete work, Cincinnati, O.	11- 9
12-10	Steel rails, Siam. (Foreign)	11- 2
12-11	Road, Morocco. (Foreign)	11- 2
12-12	Wire, Australia. (Foreign)	11- 2
12-13	Removing snow and ice, (Garbage), Boston, Mass.	11- 9
12-15*	Hopper suction dredge, British West Indies (Foreign).	11- 9
12-16	Magazine buildings, Bremerton, Wash.	11- 9
12-27*	Dredges, San Francisco, Cal.	10- 5
12-30*	Gate machines and pumps, Panama. (U. S. Poss.)	11- 2
1- 4	Battleships, Wash., D. C.	11- 9
2- 6	(1912) Cranes, rails, Uruguay (Foreign)	11- 2
——*	Concrete, Montezuma, N. Y.	10-26
——	Excavation, Shelburne Falls, Mass.	9-23

Examinations.

Examination date.		Noted in issue of
11-15	Inspector, New York	11- 2
11-22	Electrical Assistant, Washington, D. C.	10-19
11-22	Editorial Clerk, Washington, D. C.	10-26
11-25	Assistant Mechanical Engineer, Washington, D. C.	10-26

Brown, Secy. and Pur. Agt., and at the office of the Engineer, both at the University of Kansas, Lawrence, Kan.

✚***Drainage Canal.**—Pine Bluff, Ark.—Bids were received on Oct. 16 by the Commissioners of Drainage District No. 3, W. C. Hudson, Secy., at the office of Bridges & Wooldridge, Attys., Pine Bluff, for the construction of a drainage canal about 8¼ miles long, requiring 265,000 cu. yds. of excavation. The contract has been awarded to R. H. & G. A. WILLIAMS, Chicago, Ill., at 12.45 cts. per cu. yd.

Magazine Buildings.—Bremerton, Wash.—Bids will be received until 11 a. m., Dec. 16, by the Bureau of Yards and Docks, Navy Dept., Washington, D. C., for magazine buildings at the U. S. Naval Magazine, Puget Sound, Bremerton.

Fire Apparatus.—North Yakima, Wash.—Bids will be received until Nov. 20, by the City Commission for the following fire apparatus: One 75-ft. motor-driven aerial ladder truck, fully equipped; one 2½-ton motor truck chassis, and hose-bed for chassis.

Tunnel.—Fresno, Cal.—See item under Electric Railways.

Wharf Structure.—Los Angeles, Cal.—The Pacific Wharf & Storage Co., 626 Merchants Trust Bldg., has made application to the Department of Buildings for a permit to erect a wharf structure 84 x 1,500 ft., at an estimated cost of $119,000. It will be built on Terminal Island, San Pedro, Cal., about 200 ft. north of Deadman's Island.

✚**Piling.**—Los Angeles, Cal.—The County Supervisors on Oct. 23 awarded contracts to the MERCERAU BRIDGE & CONSTRUCTION CO., Pacific Electric Bldg., Los Angeles, for furnishing and driving piles for the San Antonio Protection District, at $21,752; to the GRANT CONSTRUCTION CO. for the grading and excavating at 27½ cts. per cu. yd. $19,296; and to WEIR & JORDAN for supplying 800 cedar piles at $4.20 each.

Wall.—San Bernardino, Cal.—The Atchison, Topeka & Santa Fe Ry. Co. will construct a 6-in. reinforced-concrete blanket protection wall along its right-of-way in Cajou Pass. It will be 2,360 ft. long and 10 ft. wide. The cost is estimated at $10,000.

✚**Levee Work.**—Yuba City, Cal.—The Board of Trustees of Reclamation District No. 1 has awarded a contract to LOUIS MOREING for filling breaks in Bear River Levee at 22½ cts. per cu. yd.

✚**Locomotives.**—Kingston Ont.—The Temiskaming & Northern Ontario Ry. Co., has awarded a contract to the CANADIAN LOCOMOTIVE CO. of Kingston, for four locomotives.

U. S. POSSESSIONS AND CUBA.

***Metal Work.**—Hawaii.—Bids will be received at the Bureau of Lighthouses, Washington, D. C., until 2 p. m., Dec. 9, for furnishing the metal work for tower of Kilauea Light-Station, Island of Kauai, H. T.

Steel Rods.—Panama.—Bids will be received by Maj. F. C. Boggs, Gen. Pur. Officer, Isthmian Canal Comn., Washington, D. C., until Nov. 11, for furnishing steel reinforcing rods, longleaf yellow pine car lumber, etc., under Circular No. 660.

✚**Lumber and Piles.**—Panama.—The Isthmian Canal Commission, Washington, D. C., it is reported, has awarded contracts for piles and lumber as follows: To the ROBINSON LUMBER VENEER & BOX CO., New Orleans, La., Class 1, at $21,187; to ENSIGN LUMBER CO., Jacksonville, Fla., Class 2, $5,359.

Buildings.—Hawaii.—Congress has appropriated $185,000 for the construction of Marine Corps Buildings at the Naval Station at Honolulu, consisting of one barracks to cost $135,000, and three sets of officers quarters to cost $50,000. Frank L. Denny, Ch. Q. M., U. S. A., U. S. Marine Corps, San Francisco, Cal., it is reported, will open bids Dec. 1.

Locomotive Cranes, Etc.—Panama.—Bids will be received by Maj. F. C. Boggs, Corps Engrs., U. S. A., Gen. Pur. Officer, Isthmian Canal Comn., Washington, D. C. until 10.30 a. m., Nov. 22, for furnishing locomotive cranes, stiff-leg derricks and hoisting engines. Blanks and general information relating to this circular, No. 662, may be obtained at Washington or at the offices of the Assistant Purchasing Agents, 24 State St., New York; 614 Whitney-Central Bldg., New Orleans, La., and 1086 North Point St., San Francisco, Cal.; also from the U. S. Engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal.; Baltimore, Md.; Philadelphia, Pa.; Pittsburgh, Pa.; Boston, Mass.; Buffalo, N. Y.; Cleveland, Ohio; Cincinnati, Ohio; Chicago, Ill.; St. Louis, Mo.; Detroit, Mich.; Milwaukee, Wis.; St. Paul, Minn.; Chattanooga, Tenn.; Louisville, Ky.; Mobile, Ala., and Galveston, Tex.; Commercial Club, Kansas City, Mo.; Chamber of Commerce, Quincy, Ill., and Commercial Club, Tacoma, Wash.

Engineering Material.—Panama.—Bids were received as follows on Nov. 6 by Maj. F. C. Boggs, Gen. Pur. Officer, Isthmian Canal Comn., Washington, D. C., for furnishing (a) 49,000 lin. ft. c.-i. pipe, 20-in. bell and spigot, Class B, and a number of specials; (b) 536,346 ft. B. M. long leaf yellow pine or Douglas fir lumber, various sizes; (c) untreated piles, long leaf yellow pine or Douglas fir, 1,900 40-ft. long; 1,100 70-ft. long: American Cast-Iron Pipe Co., Birmingham, Ala., (a) $107,455; American Tie & Timber Co., 11 Broadway, New York, (c) $30,064; J. H. Burton & Co., 45 Broadway, New York, (c) $41,580; Camden Iron Works, Camden, N. J. (c) $104,388; alternate, $99,671; G. Elias & Bro., Buffalo, (b) $11,954, fir; (c) $29,860; John Fox & Co., 253 Broadway, New York, (a) $107,590; Gress Mfg. Co., 18 Broadway, New York, (b) $15,794, pine; Lynchburg Foundry Co., Washington, D. C., (a) $108,252; Charles Nelson Co., San Francisco, (b) $10,890, fir; Standard Cast-Iron Pipe & Foundry Co., Bristol, Pa., (a) $105,248; U. S. Cast-Iron Pipe & Foundry Co., Philadelphia, (a) $98,951; Thomas E. Coale Lumber Co., Philadelphia, (b) $18,091, pine; (c) $32,920; D. L. Gillespie & Co., Pittsburgh, (c) $34,984; W. R. Grace & Co., San Francisco, (b) $11,185, fir; Robinson Lumber, Veneer & Box Co., New Orleans, (b) $17,297, pine; (c) $35,250. All bids on (a) and (c) to be delivered at Colon; on (b) fir bids to be delivered at Ancon, pine bids at Colon. No bids on fir piling were received.

FOREIGN CONTRACTS.

(To insure prompt attention, letters on consular business should be addressed to The American Consul at ——, ——. Such letters are opened and attended to by whoever may be in charge of the office. If addressed to the consul, personally, letters are forwarded to him, unopened, should he be absent, and a delay thus intervenes. If, in the meantime, he should have gone out of office, the matter may wholly escape attention.)

Port Works.—Chile.—New bids will be received until April 30, 1912, by the Chilean Government, at Santiago, for the construction of port works at Valparaiso. Bids were received on the above contract on July 22. Noted under Foreign Contracts on April 6 and April 27.

***Hopper Suction Dredger.**—British West Indies.—Bids will be received until Dec. 15 by the Director of Public Works, Kingston, Jamaica, B. W. I., for the supply and delivery at Kingston, by a date to be stated in the bid of a twin-screw sea-going hopper suction dredger, capable of raising at least 100 cu. yds. of material per hr., and of forcing this quantity through 3,000 ft. of shore discharge pipe. The vessel should have a shallow draft and a hopper capacity of between 300 and 400 tons, and is to be provided with a rotary cutter adapted for dealing with stiff clay and heavy soils and so arranged as to enable the vessel to cut its own flotation. It should be capable of dredging to a depth of 36 ft. and of pumping either into its own hopper or into barges alongside, or discharging direct through a steel pipe, or of redischarging for delivery or barges through pipe to hopper shore. Separate bids are required for 3,000 lin. ft. of discharge pipe for the above vessel, made suitably-connected sections with necessary pontoons. The plant required chiefly for the dredging of river bars and the reclamation of swamp lands on the sea coast and should be primarily designed for this purpose. The vessel is to be delivered at Kingston provided with all the necessary gear and completely fitted out ready for immediate service. Offers should be accompanied by a complete detailed specification of the vessel, machinery and gear and the officers and crew necessary to properly work same and of rate of coal consumption when efficient working. The firm whose bid is accepted will be required to undertake to provide the necessary experienced directing staff for working same for a period of nine months, comprising a captain and engineer and any other necessary officer, at a price to be stated and to form part of the contract. Bidders are required to specify whether they bid subject to Lloyd's inspection and rating.

CONTRACT PRICES.

***Catskill Aqueduct.**—Bay Ridge Conduit, Contract 75.—New York, N. Y.—The accompanying table gives the item bids received Oct. 31 by the Board of Water Supply for Contract 75, for the construction of the Bay Ridge Conduit, a portion of the city pipe lines of the Catskill Aqueduct, City Aqueduct Dept., extending from the junction of 36th St. and Fifth Ave., Boro. Brooklyn, in a generally southwesterly direction, along Fifth Ave., 64th St., Fourth Ave., 67th St., and Second Ave. to 79th St., and through 79th St. to the Shore Road. The work will include furnishing and laying about 16,400 lin. of 48-in. c.-i. pipe, 36 ft. of 36-in. pipe, valves and other appurtenances and maintenance for one year. The bidders were (A) E. V. Smith Construction Co., Lafayette Ave., and Westchester Creek, New York; (B) Murphy Bros., 25th Ave., Bath Beach, Brooklyn; (C) Joseph Burns, 147 East 125th St., Manhattan; (D) Seaboard Contracting Co., 290 Broadway, Manhattan; (E) McCauley-Manton Co., Brooklyn; (F) Cranford Co., 52 Ninth St., Brooklyn; (G) Degnon Contracting Co., 60 Wall St., Manhattan; (H) H. E. Fox, Brooklyn; (I) Rodgers & Hagerty, 41 Park Row, Manhattan; (J) Borough Development Co., 186 Remsen St., Brooklyn; (K) United Engineering & Contracting Co., 17 West 42d St., Manhattan.

CATSKILL AQUEDUCT BAY RIDGE CONDUIT, CONTRACT 75.

	A.	B.	C.	D.	E.	F.	G.	H.	I.	J.	K.
37,000 cu. yds. earth excavation and refill	$0.70	$0.82	$0.95	$1.27	$0.75	$1.24	$1.25	$1.20	$1.00	$1.20	$1.70
200 cu. yds. rock excavation	4.00	2.00	2.00	3.00	1.15	4.00	3.00	4.00	3.00	2.00	2.00
6,800 tons c.-i. pipe	26.40	27.48	26.40	25.18	30.35	26.65	27.00	27.60	28.00	28.10	26.00
220 tons c.-i. special castings	55.00	54.00	70.00	67.53	65.00	80.00	64.00	70.00	75.00	66.25	80.00
12 tons c.-i. flanged pipe and flanged specials	60.00	65.00	70.00	56.42	65.00	75.00	50.00	100.00	75.00	72.00	100.00
24 tons c.-i. valve boxes manhole heads and covers	50.00	45.00	50.00	56.42	63.00	55.00	51.00	55.00	70.00	42.00	60.00
240,000 lbs. metal work furnished by city (to care for and set)	.015	.01	.02	.02	.00½	.025	.02	.02	.04	.03	.02
25,000 lbs. structural and reinforcing steel	.04	.04	.04	.05	.06	.04	.05	.04	.04	.05	.05
4,000 lbs. miscellaneous cast iron, wrought iron and steel	.07	.04	.04	.075	.11	.05	.05	.05	.05	.05	.05
550 lbs. portland cement	1.65	1.50	1.70	1.73	1.40	1.50	1.50	1.60	1.50	1.25	1.50
40 cu. yds. concrete masonry under pavement	10.00	7.00	4.00	6.25	3.00	4.25	4.00	6.00	7.00	4.00	4.00
50 cu. yds. concrete masonry as cradles for sewers or drains	10.00	4.00	4.00	10.00	4.50	7.50	6.00	6.00	10.00	5.30	8.00
280 cu. yds. brick or concrete masonry in chambers and sewers	12.00	8.00	8.00	12.00	9.20	8.00	10.00	12.00	10.00	8.30	12.00
500 lbs. lead pipe	.15	.20	.12	.20	.115	.25	.20	.10	.12	.30	.20
4 cu. yds. crushed stone or gravel	3.00	.01	1.00	3.00	3.25	3.00	2.50	1.00	2.00	2.10	3.00
150 lin. ft. vitrified or cement pipes 3 to 8-in. diameter	.50	1.50	.25	.75	1.15	.50	.20	.40	.25	.40	.25
800 lin. ft. vitrified or cement pipe 9 to 15-in. diameter	1.00	1.00	1.00	1.00	1.15	1.00	.60	.50	1.00	.90	.60
90 sq. yds. paving, asphalt block	2.00	2.00	1.50	2.20	3.30	1.50	2.00	2.00	1.75	2.00	2.00
5,000 sq. yds. paving, Belgian block	.35	.30	.40	.50	.30	.30	.75	.40	.50	.40	.20
100 sq. yds. paving, granite block	1.00	.30	.50	1.00	.45	2.00	.75	1.50	2.00	.40	.60
4,500 sq. yds. paving, macadam	.70	.30	.40	.83	.30	.60	.75	.30	.50	.50	1.00
200 sq. yds. paving, sheet asphalt	1.50	3.90	2.00	2.00	2.60	1.25	1.10	2.00	4.00	1.25	1.25
400 sq. yds. sidewalks and crosswalks	.20	.30	.25	.60	.23	.75	.25	.20	.10	.20	.30
20 sq. yds. brick gutter	.20	1.00	.30	2.50	2.30	2.00	1.00	.10	2.00	1.50	.50
550 sq. yds. cobblestone gutter	.30	.30	.30	.40	.25	.30	.50	.10	.50	.25	.50
100 lin. ft. curb	.065	.30	.20	.75	.50	.40	.40	.01	.10	.30	.30
100 sq. ft. cement concrete sidewalk	.15	.15	.20	.30	.20	.25	.25	.60	.20	.14	.20
Unofficial Totals	$237,000	$243,764	$247,602	$255,686	$262,603	$264,897	$265,369	$266,372	$269,483	$270,643	$278,809

For other Proposal Advertisements see pages

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of Advertisements and Construction News, page 218

SANITARY SEWERS.

Plainfield, N. J.

Sealed proposals will be received by the Common Council of the City of Plainfield, N. J., on November 27th, 1911, at 8 P. M., for the construction of sanitary sewers, including:

2,750 feet 8 inch vitrified pipe sewer, under 8 ft. deep.
676 feet 8 inch cast iron pipe sewer, under 8 ft. deep.
9 Manholes.
4 Flushing Connections.
1,710 feet 2 inch wrought iron air main.
115 Branches.
710 feet 4 inch House Connections.
1 Operating Vault.
1 Pumping Plant consisting of ejectors in duplicate, air receiver and pipe connections.

Certified check for $200 to accompany each bid, and the amount of bond required will be $3,000.

Duplicate plans may be examined, and forms of proposals, specifications, contract and bond may be obtained at the office of the Engineer, 151 North Avenue, Plainfield, N. J.

JAMES T. MACMURRAY,
City Clerk.
ANDREW J. GAVETT,
Engineer in Charge.
Dated November 6th, 1911.

LOCK GATE MACHINERY.

THE SANITARY DISTRICT OF CHICAGO.

Sealed proposals indorsed "Proposals for Lock Gate Machinery" will be received by the clerk of the Sanitary District of Chicago at the office of said district, 1500-76 W. Monroe Street, Chicago, Illinois, until 12 M., standard time, on Thursday, November 16, 1911, and will be publicly opened by the Board of Trustees at a meeting to be held on that day or the first meeting thereafter.

The work for which said tenders are invited consists of furnishing and erecting operating machinery for lock gates of canal lock, adjacent to the Power House of the Sanitary District of Chicago, near Lockport, Will County, Illinois.

All bids must be made upon blank forms of proposal furnished by the Sanitary District and shall be made in accordance with and to conform with all the terms and conditions set forth in "Requirements for Bidding and Instructions to Biders," attached thereto. Plans, specifications and form of proposal may be obtained at the office of the said district upon deposit of Two ($2.00) Dollars therefor. Said sum of Two ($2.00) Dollars will be refunded by the Sanitary District if a bid is submitted or if said plans and specifications are returned on or before November 23, 1911.

The Board of Trustees reserve the right to reject any and all bids.

THE SANITARY DISTRICT OF CHICAGO.
By THOMAS A. SMYTH.
President of Its Board of Trustees.
Attest: J. J. BRYAN, Clerk.
Chicago, October 26, 1911.

SEALED PROPOSALS will be received at the office of the Lighthouse Inspector, Philadelphia, Pa., until 2 o'clock p. m., December 16, 1911, and then opened, for furnishing material and labor of all kinds necessary to complete concrete filling of foundation and erect the superstructure, etc., of Miah Maul Shoal Lightstation, Delaware Bay, New Jersey, in accordance with specifications, copies of which, with blank proposals and other information, may be had upon application to COMMANDER H. O. STICKNEY, U. S. Navy, Inspector.

SEALED PROPOSALS will be received at the Bureau of Lighthouses, Washington, D. C., until 2 o'clock p. m., Saturday, December 9, 1911, and then opened, for furnishing the metal work for tower of Kilauea Light-Station, Island of Kauai, Hawaii. Blank proposals and particulars may be obtained by addressing The Commissioner of Lighthouses, Washington, D. C.

Your Proposal Notices In Engineering News

Reach the Largest Circulation in the Civil Engineering and Contracting Field